

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

12/24/10

Attorney Ted Heinrich  
Assistant US Attorney

Dear AUSA Heinrich,

Enclosed are copies of the information you requested regarding sample numbers [REDACTED]  
[REDACTED] in the following:

1. Drug Analysis Laboratory Receipts.
2. Curriculum Vitae for Daniela Frasca, Annie Khan (Dookhan), Kate A. Corbett, and Della Saunders.
3. Control Cards with analytical results for sample numbers [REDACTED] and [REDACTED]
4. Analysis notation forms and FTIR spectra for sample numbers [REDACTED]  
[REDACTED] Sample number [REDACTED] includes GC raw data sheets.
5. GC-MS raw data sheets for each of the above sample numbers.

GC-MS confirmatory testing for sample number [REDACTED] as performed by Kate A. Corbett and all other testing was performed by Daniela Frasca. GC-MS confirmatory testing for sample numbers [REDACTED] and [REDACTED] was performed by Annie Khan (Dookhan) and all other testing was performed by Daniela Frasca. GC-MS confirmatory testing for sample number [REDACTED] was performed by Della Saunders and all other testing was performed by Kate A. Corbett. If you have any questions or concerns about these facts, please contact me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Daniela Frasca".

Daniela Frasca  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA 02130  
(617) 983-6631

**PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION**

*The Commonwealth of Massachusetts*

*Executive Office of Health and Human Services*

## *Department of Public Health*

*State Laboratory Institute*

## Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

## Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

### Boston Hours

Amherst Hours

8:00 - 11:00

9:00 - 12:00

2:00 - 4:00

## DRUG RECEIPT

1:00 - 3:00

1.00 - 3.00

**City or Department:** Brockton Police Department **Police Reference No.:**

Police Reference No.:

**Name and Rank of Submitting Officer:** DONOHUE, PATRICK S 380 DOC # R010225

**Defendant(s) Name (last,first,initial):**

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*To be completed by Submitter*

### Description of Items Submitted

*To be completed by Lab Personnel*

**Gross Weight**      **Lab Number**

Received By:

Date:

6.6.08

**PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION**

## *The Commonwealth of Massachusetts*

*Executive Office of Health and Human Services*

*Department of Public Health*

### *State Laboratory Institute*

## **Amherst Drug Laboratory**

Tel (413) 545-2601

Fax (413) 545-2608

## Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

## Boston Hours

8:00 - 11:00

2:00 - 4:00

Amherst Hours

9:00 - 12:00

1:00 - 3:00

## **DRUG RECEIPT**

**City or Department:** Brockton Police Department      **Police Reference No.:**

**Police Reference No.:**

**Name and Rank of Submitting Officer:** DONOHUE, PATRICK S 380 DOC # R010255

**Defendant(s) Name (last,first,initial):**

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*To be completed by Submitter*

### Description of Items Submitted

*To be completed by Lab Personnel*

### Gross Weight

**Lab Number**

Received By:

Data:

6-4-0

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
State Laboratory Institute*

Boston Drug Laboratory  
Tel (617) 983-6622  
Fax (617) 983-6625

**Amherst Drug Laboratory**  
Tel (413) 545-2601  
Fax (413) 545-2608

## Boston Hours

Amherst Hours

8:00 - 11:00  
2:00 - 4:00

9:00 - 12:00  
1:00 - 3:00

### **DRUG RECEIPT**

**City or Department:** Brockton Police Department **Police Reference No.:** \_\_\_\_\_

**Police Reference No.:**

**Name and Rank of Submitting Officer:** DONOHUE, PATRICK S 380 DOC # R010331

**Defendant(s) Name (last,first,initial):**

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*To be completed by Submitter*

### Description of Items Submitted

*To be completed by Lab Personnel*

**Gross Weight**      **Lab Number**

Received By:

*Ed*

Date:

6-19-08

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts*  
*Executive Office of Health and Human Services*  
*Department of Public Health*  
*State Laboratory Institute*

Boston Drug Laboratory  
Tel (617) 983-6622  
Fax (617) 983-6625

Amherst Drug Laboratory  
Tel (413) 545-2601  
Fax (413) 545-2608

Boston Hours

8:00 - 11:00  
2:00 - 4:00

Amherst Hours

9:00 - 12:00  
1:00 - 3:00

**DRUG RECEIPT**

City or Department: Brockton Police Department      Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: DONOHUE, PATRICK S    380    DOC # R010415

Defendant(s) Name (last,first,initial):  
[REDACTED]

*To be completed by Submitter*

Description of Items Submitted

*To be completed by Lab Personnel*

Gross Weight      Lab Number

1) PLASTIC BAGS UNK WHITE ROCK (QTY: 2)  
PLASTIC BAG UNK WHITE ROCK (S16167 )

10.53g

Received By: ELO

Date: 7-10-08

## Curriculum Vitae

Daniela Frasca

## **Education**

**Boston University School of Medicine, Boston MA**  
*Currently enrolled in the Biomedical Forensic Science MS Program*

## Suffolk University, Boston, MA

*Graduated in 05/1996 and received a Bachelor of Science in Biochemistry*

# EXPERIENCE

**Massachusetts State Laboratory Institute/DPH**, Jamaica Plain, MA 01/2001 – present

## Drug Laboratory: *Chemist II*

- Analysis of all substances by chemical screening, microscopy, and instrument confirmation to determine the presence of drugs for law enforcement agencies in the Commonwealth of Massachusetts.
  - Appointed assistant analyst on January 29, 2001 by the Assistant Commissioner of DPH
  - Completed four weeks of training in drug analysis under the supervision of senior chemists.

Quest Diagnostics Incorporated, Cambridge, MA

09/1996 – 10/2001

Department of Toxicology: Medical Technologist I

- Handles comprehensive toxic analysis, therapeutic drug monitoring, forensic drug screening, and compound ID's of biohazard samples utilizing standard operating procedures in clinical toxicology.
  - Entered data and interpreted results for reporting
  - QC/QA of multiple analytical instrumentation as well as maintenance
  - Completed 60 days of training under the supervision of doctorate level toxicologists.

## Additional Training

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Northeastern Association of Forensic Scientists

## Designer Drugs

### Clandestine labs

Agilent Instruments and Software

## Digital Photography

McCrone Research Institute

Forensic Polarized Microscopy

## Polarized Microscopy of Illicit Drugs and Excipients

## Massachusetts State Laboratory Institute

## Expert Witness

## Raman Spectrophotometer

#### **Associations and Programs**

- Northeastern Association of Forensic Scientists (NEAFS) 2001 - present
  - The International Association of Forensic Toxicologists (TIAFT) 2003 - present
  - The International Association of Therapeutic Drug Monitoring And Clinical Toxicology (IATDMCT) 2003 - present
  - Massachusetts State Science Fair Judge 2000 - present
  - Middle School State Science Fair Judge 2006 - present
  - Volunteer Science Project Mentor/Tutor 2003 - present  
for the TTT Mentor Program

## Curriculum Vitae

### Annie Khan (Dookhan)

#### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.  
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

#### **Experience:**

2003 – present

#### Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- \*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- \*Appointed Assistant Analyst by Assistant Commissioner of Public Health, January 2004.
- \*Responsible for the identification of drugs to determine violations of harmful and narcotic drug laws.
- \*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- \*Maintenance and repairs of all analytical instruments.
- \*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- \* Responsible for the Quality Control/Quality Assurance program for the drug lab.
- \*Notary Public.
- \*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

#### QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- \*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- \*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs).
- \*Routine QC testing of products for the FDA.
- \*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- \*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- \*Complete testing of chemicals for Vendor Validation Project for the FDA.
- \*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept. of Justice – Forensics Professionals.

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

#### **Association:**

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

# Curriculum Vitae

Kate A. Corbett

## Education

### **Bachelor of Science Degree, CHEMISTRY May 2003**

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

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## Employment

### **Chemist II State Laboratory Institute (March 2008-Present)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

### **Chemist I State Laboratory Institute (2005-March 2008)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

### **Research Associate (September 2003 – August 2005)**

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

### **Intern (March 2003 – August 2003)**

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

## Curriculum Vitae

Della Saunders

### Education:

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

### Experience:

1985-present: Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

1984-1985: Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

### Training:

1985: Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

1987: One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, VA.

1992: Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

1996: Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

2001: Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

2002: Techniques of Supervision Training (MDPH)

1999: Notary Public Commonwealth of Massachusetts

No. [REDACTED]

Date Analyzed: 8/22/08

City: Brockton Police Dept.

Officer: Detective PATRICK DONOHUE

Def. [REDACTED]

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 06/06/2008

No. Analyzed:

Gross Wt.: 10.49

Net Weight: 6.68g

Cocaine Base  
15

# Tests: 7

Prelim:

Cocaine

Findings:

Cocaine 20AC

No. [REDACTED]

Date Analyzed: 09-10-08

City: Brockton Police Dept.

Officer: Detective PATRICK DONOHUE

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 06/06/2008

No. Analyzed: 1

Gross Wt.: 10.66

Net Weight: 3.27  
1 analyzed # Tests: 7

*Cocaine Base*

(B)

1 ASD

Prelim: *Cocaine*

Findings: *Cocaine*

No. [REDACTED]

Date Analyzed: 09-10-08

City: Brockton Police Dept.

Officer: Detective PATRICK DONOHUE

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 06/19/2008

No. Analyzed: 1

Gross Wt.: 10.72

Net Weight: 3.28g

*Cocaine Base*

1 analyzed

Prelim: *Cocaine* (K)

Findings: *COCALINE*

# Tests: 7

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No. [REDACTED] Date Analyzed: OCT 06 2008

City: Brockton Police Dept.

Officer: Detective PATRICK DONOHUE

Def: [REDACTED]

Amount: Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 07/10/2008

Gross Wt.: 10.53

No. Analyzed: 2

Total Net Weight: 6.37g

# Tests: 17KAC

+4 AFS

Prelim: COCAINE

Findings:

COCAINE BASE

**DRUG POWDER ANALYSIS FORM**

SAMPLE #

AGENCY

Brockton

ANALYST

MMZPHYSICAL DESCRIPTION:Ev. work

Substance in 1P13

Mang -

Grass MA: 6.8581g

Froed -

Harm: 6.6860g

Meck -

Cobalt -, + Ward

Gold +

TLTA -, + Ward

IR: + Cocaine base (9/5/08)

PRELIMINARY TEST RESULTS

RESULTS

Cocaine

DATE

8/20/08GC/MS CONFIRMATORY TEST

RESULTS

Cocaine

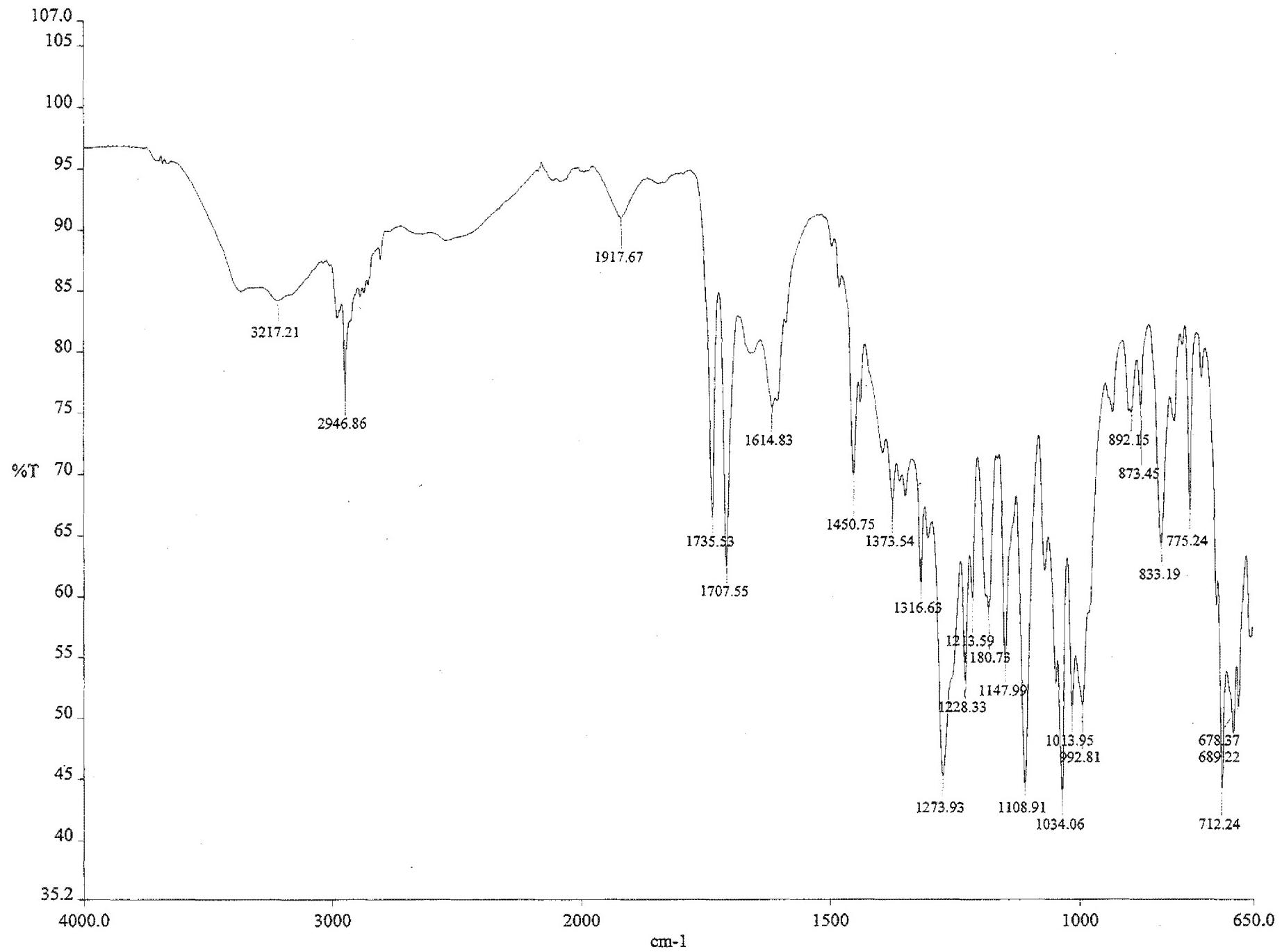
MS

OPERATOR

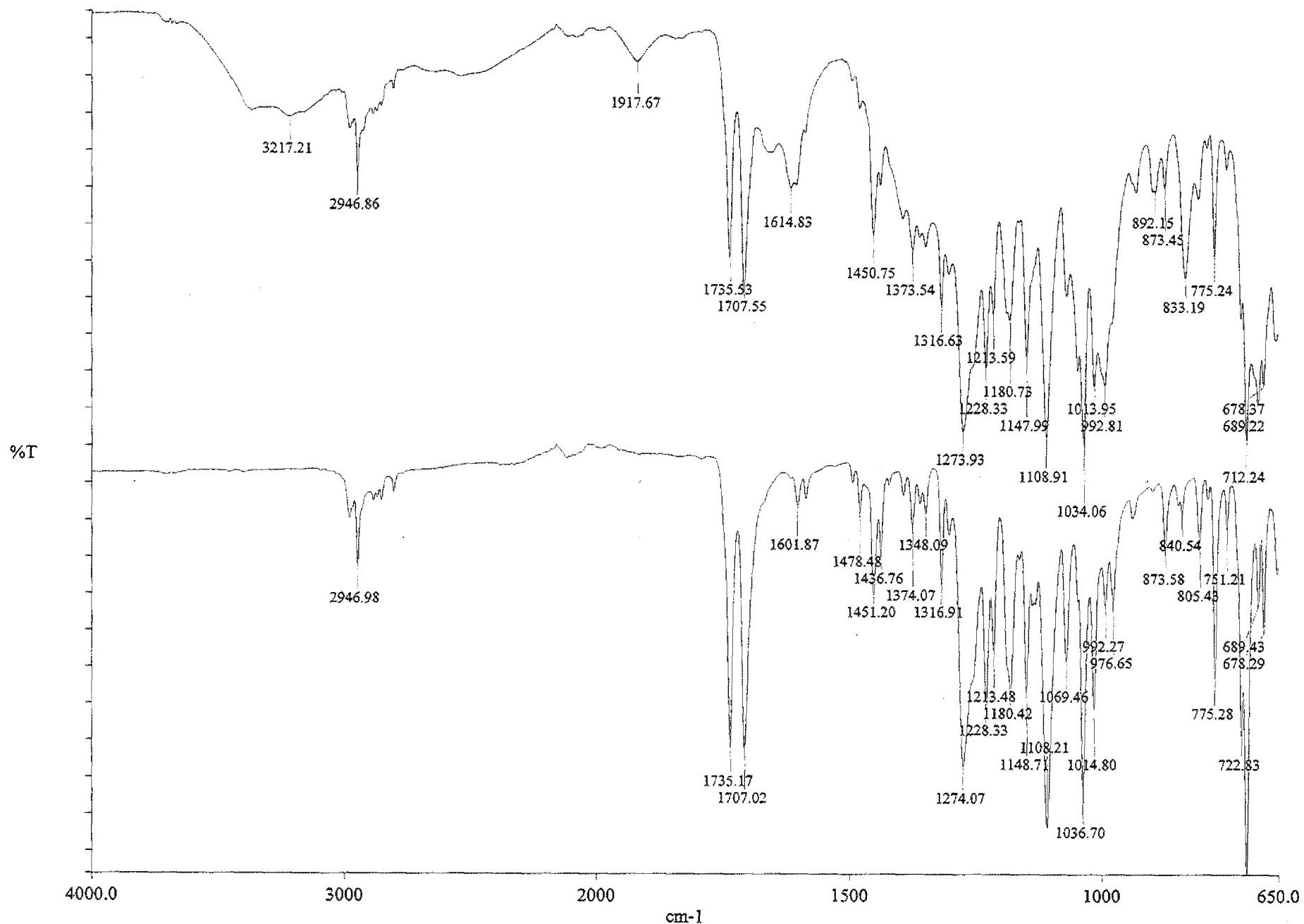
KAC

DATE

8/22/08

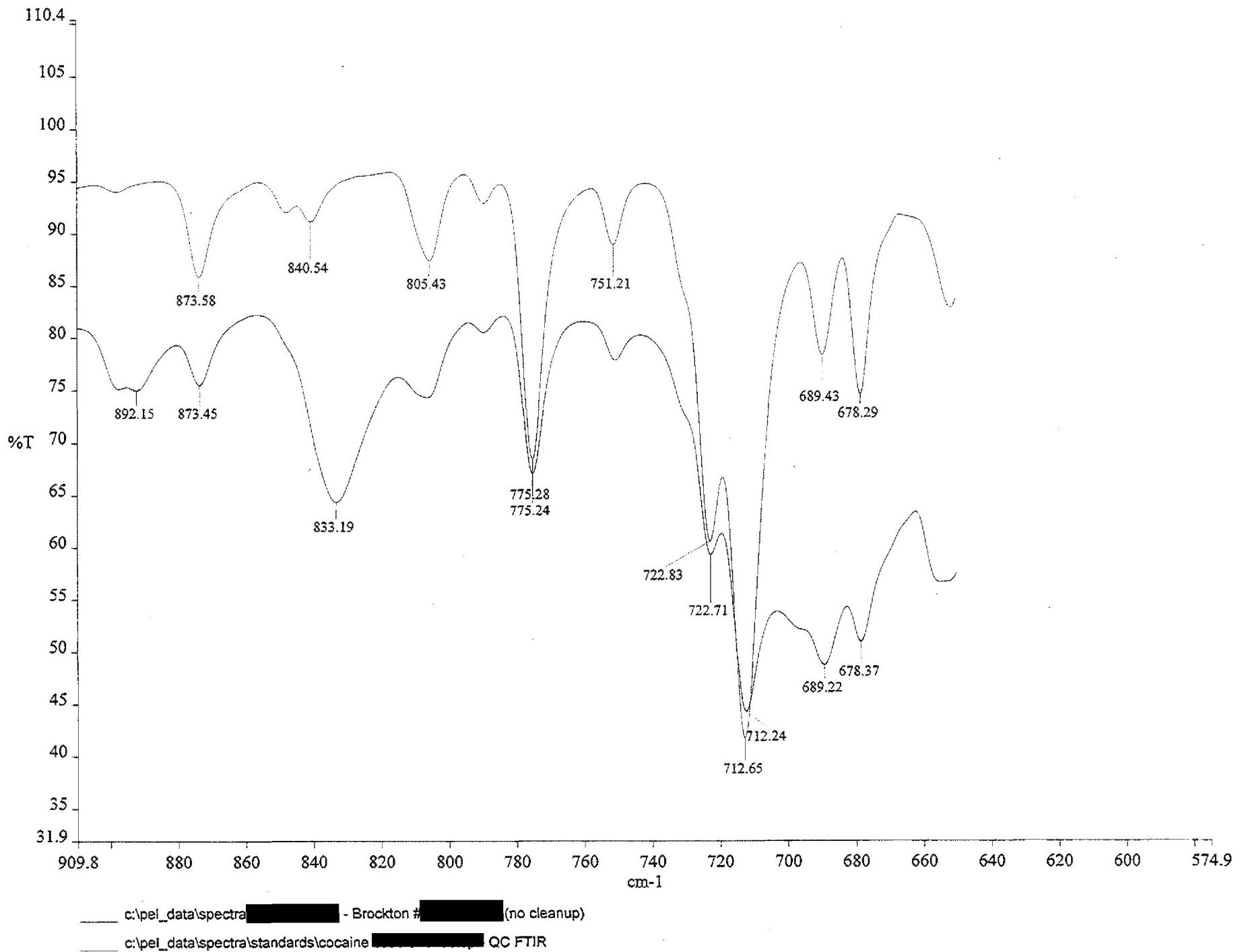


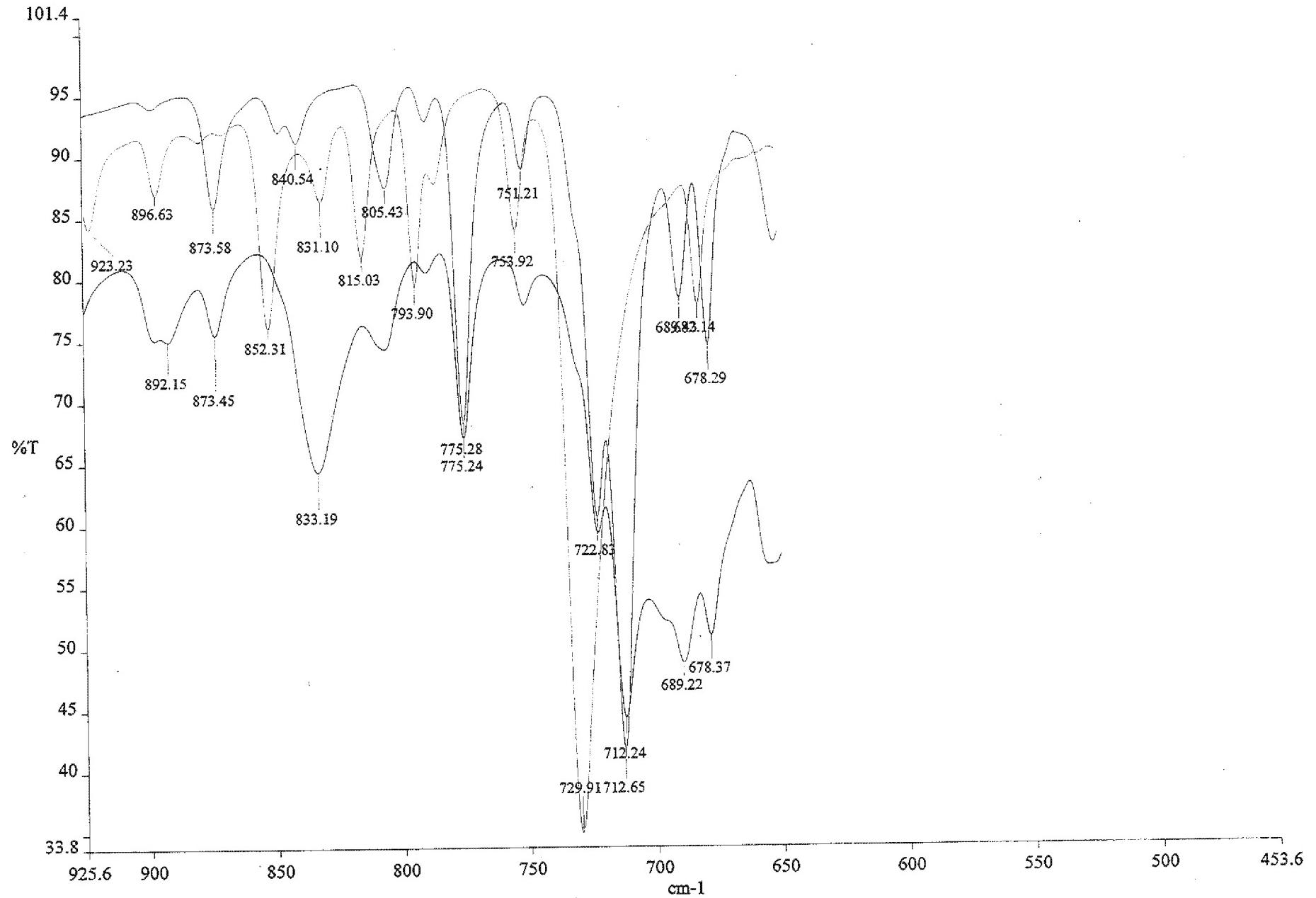
c:\pel\_data\spectra\██████████ - Brockton #.██████████ (no cleanup)



c:\pel\_data\spectra\██████.p - Brockton #: ██████████ (no cleanup)

c:\pel\_data\spectra\standards\cocaine bas ██████████ - QC FTIR





c:\pel\_data\spectra\██████████| Brockton #: ██████████ no cleanup)  
c:\pel\_data\spectra\standards\cocaine base\██████████ - QC FTIR  
c:\pel\_data\spectra\standards\cocaine hcl st\██████████ - QC FTIR

Unknown: C:\pel\_data\spectra\████████.sp  
Library: C:\pel\_data\libs\DL.idx

## Euclidean Hit List:

0.727 DL1744 COCAINE (SYNTHESIZED CRACK)

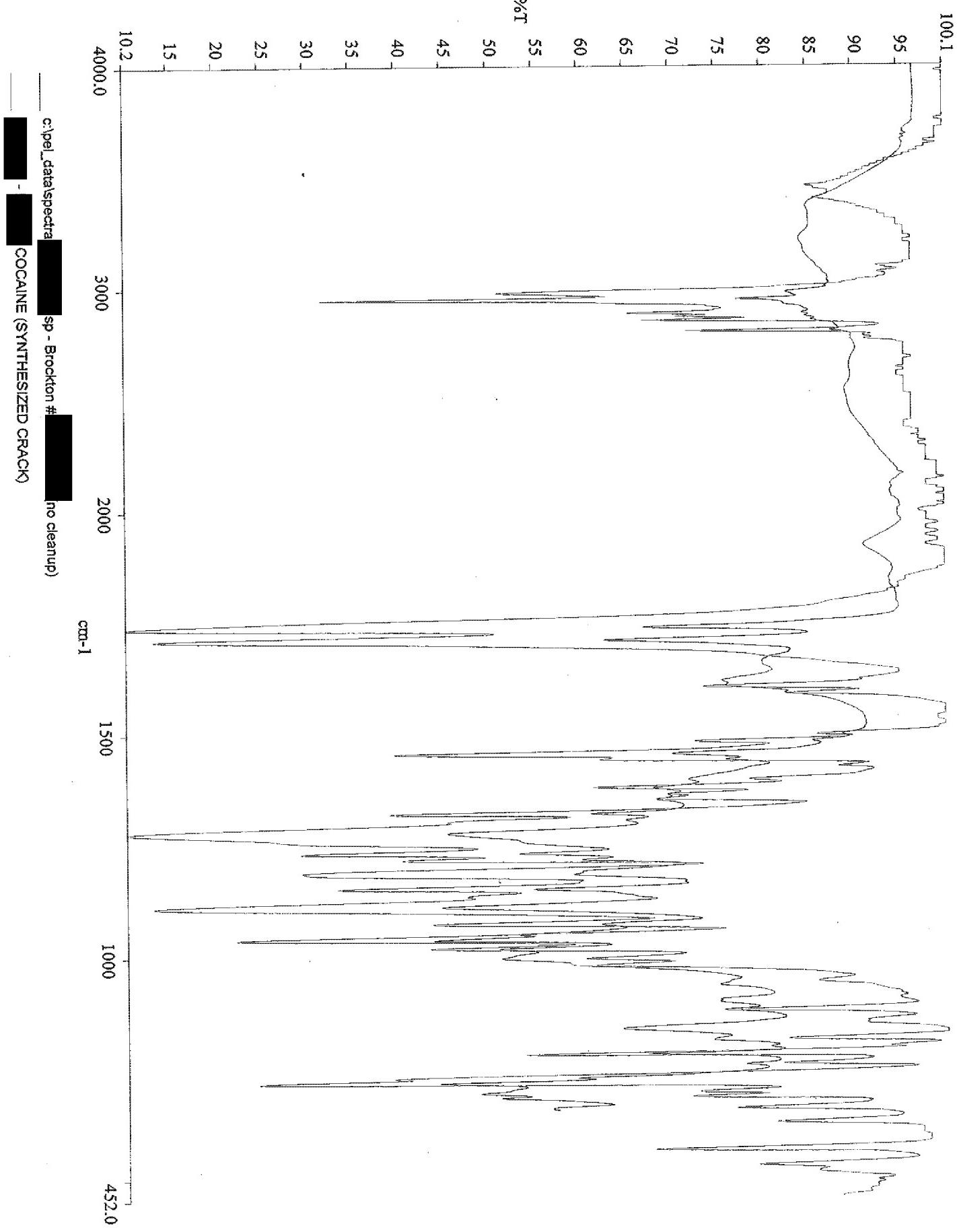
0.718 DL0178 COCAINE IN KBr

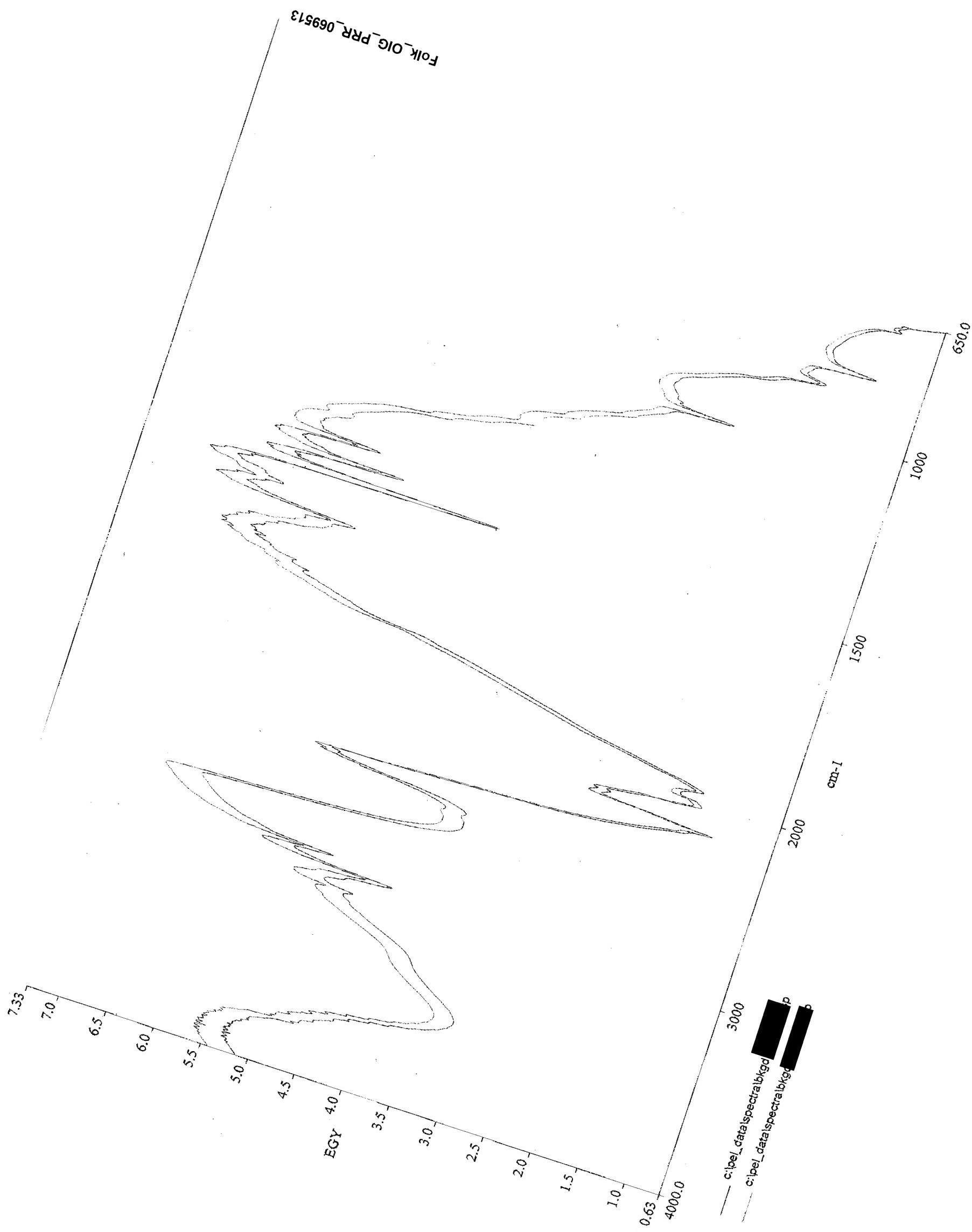
0.557 DL0209 COCAINE HCl IN KBr (MERCK)-SAMPLE CONTAINS WATER-METHANOL MIXTURE

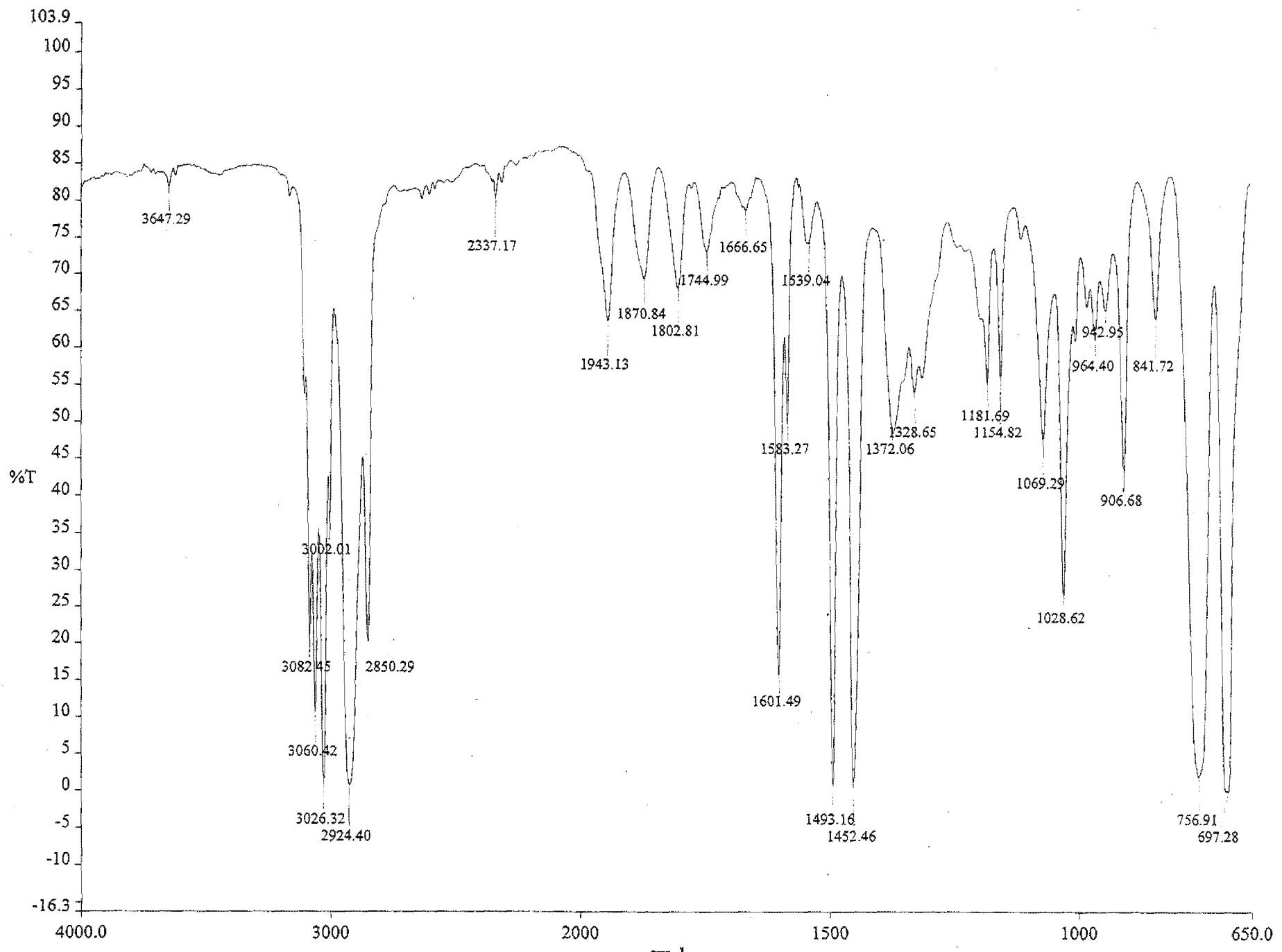
Selected Range: 4000.00 - 652.00 cm<sup>-1</sup>

No Blank Regions:

The Georgia State Crime Laboratory







# DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

Brockton

ANALYST

PHYSICAL DESCRIPTION:

Ev. w/OK

Substance in 2 PB

Mary -

Gross Wt 7.0329g

Fried -

Meek -

Gross Wt of  
1 analyzed: 3.4889g

Cobalt -, + Fried

Gold + Net Wt of  
1 analyzed: 3.2750g

TLTA -, + Fried

IR: + Cocaine Base

PRELIMINARY TEST RESULTS

RESULTS

Cocaine

DATE

9/5/08

GC/MS CONFIRMATORY TEST

RESULTS

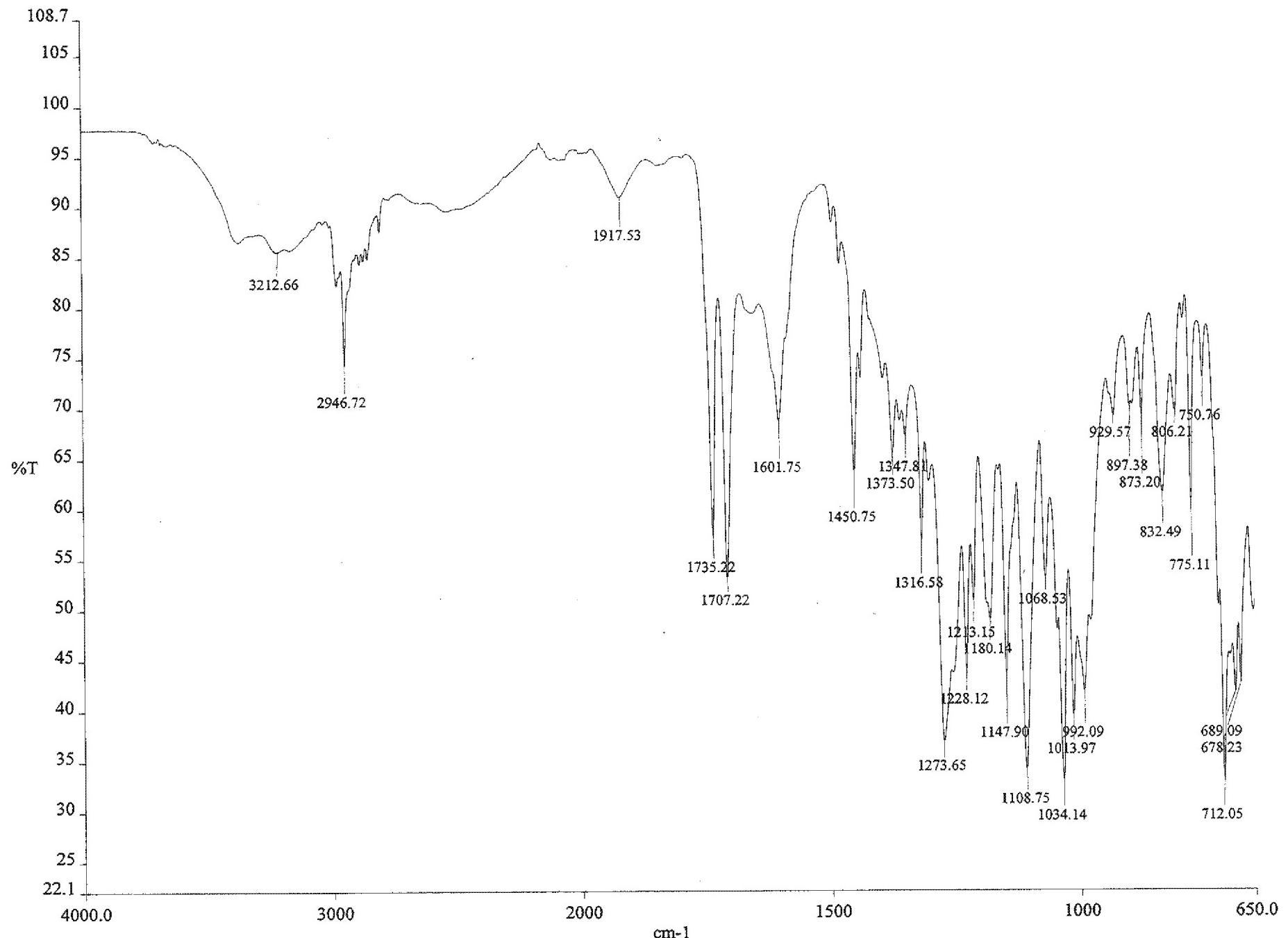
Cocaine

MS  
OPERATOR

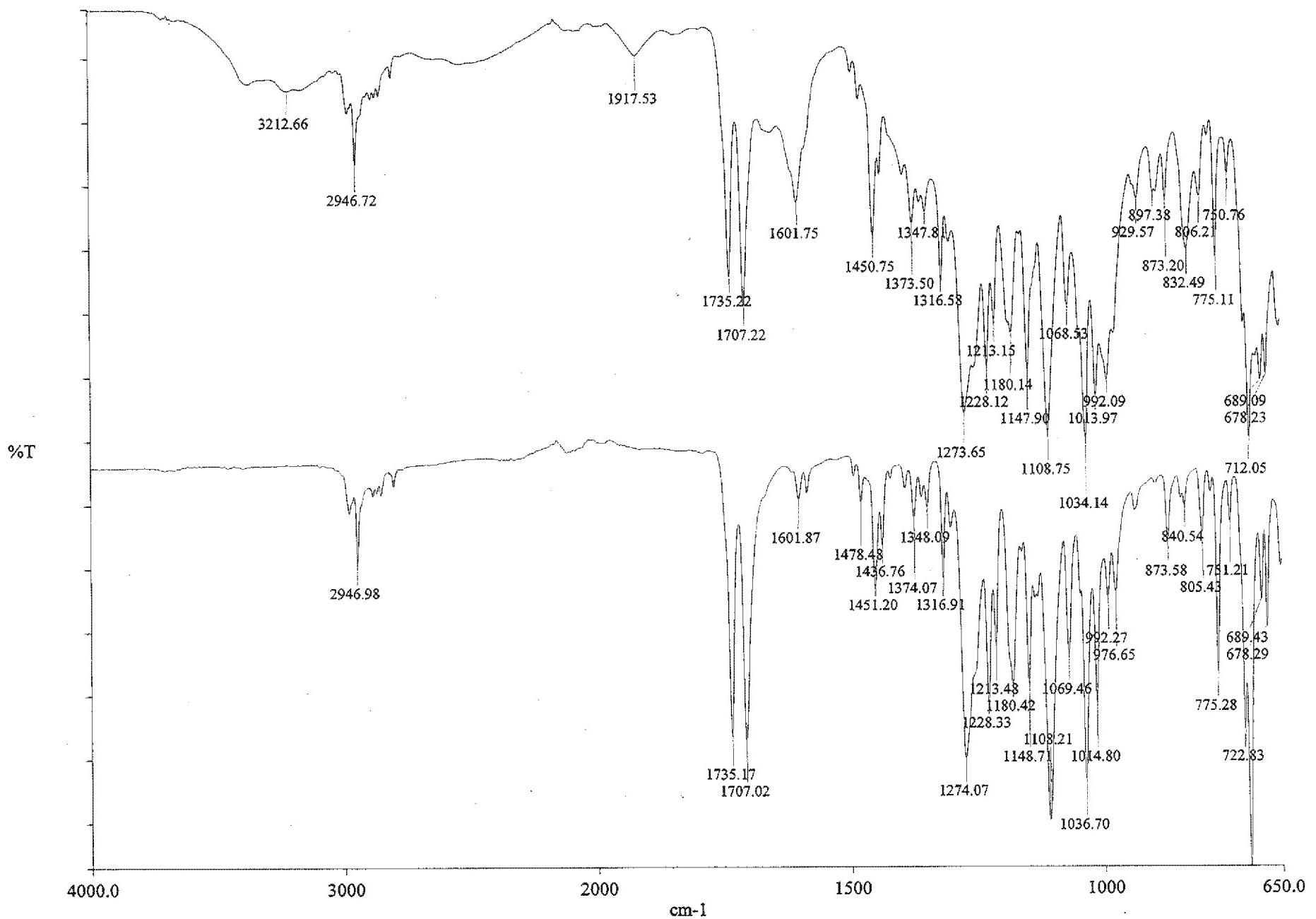
BBD

DATE

9/10/08

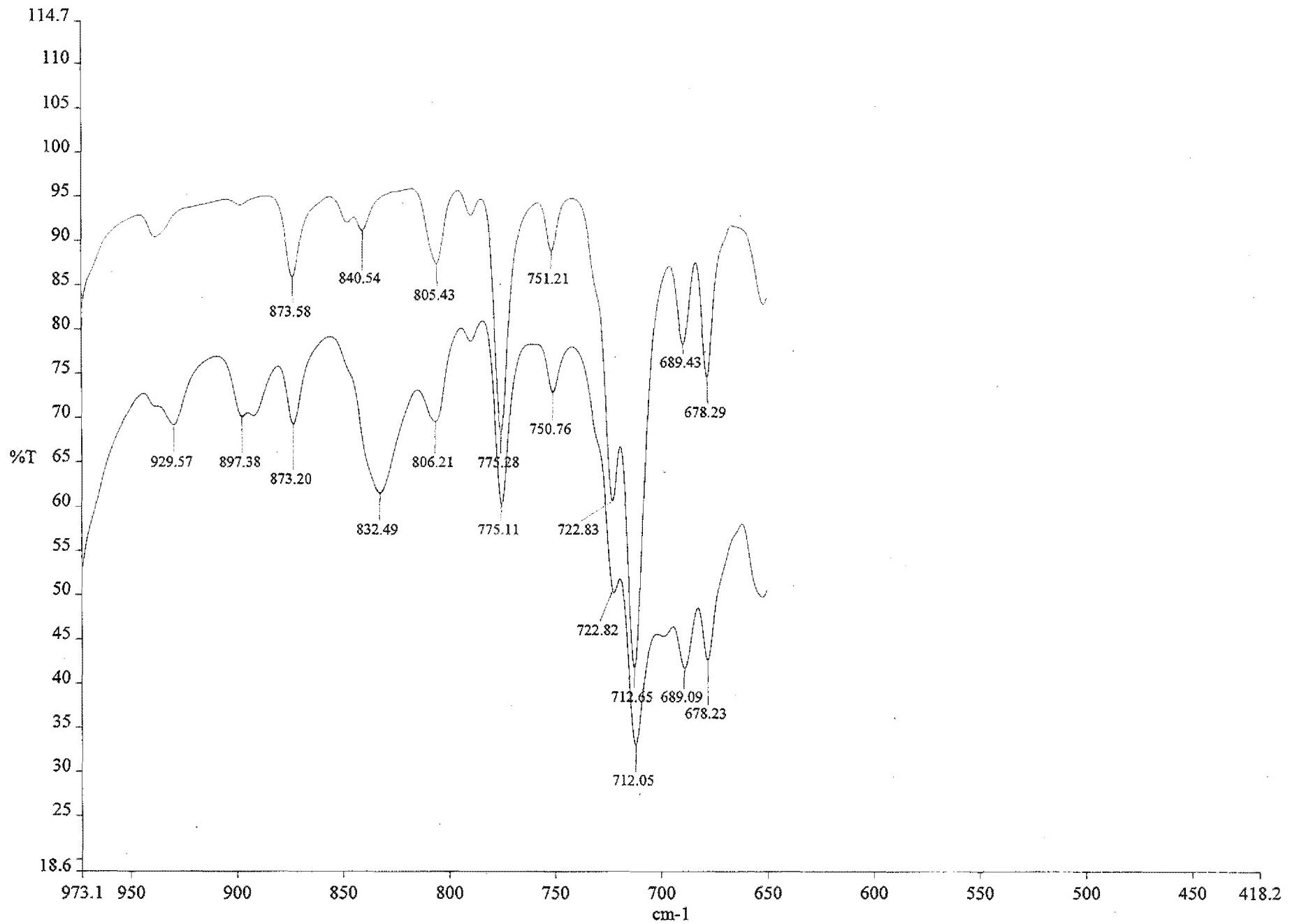


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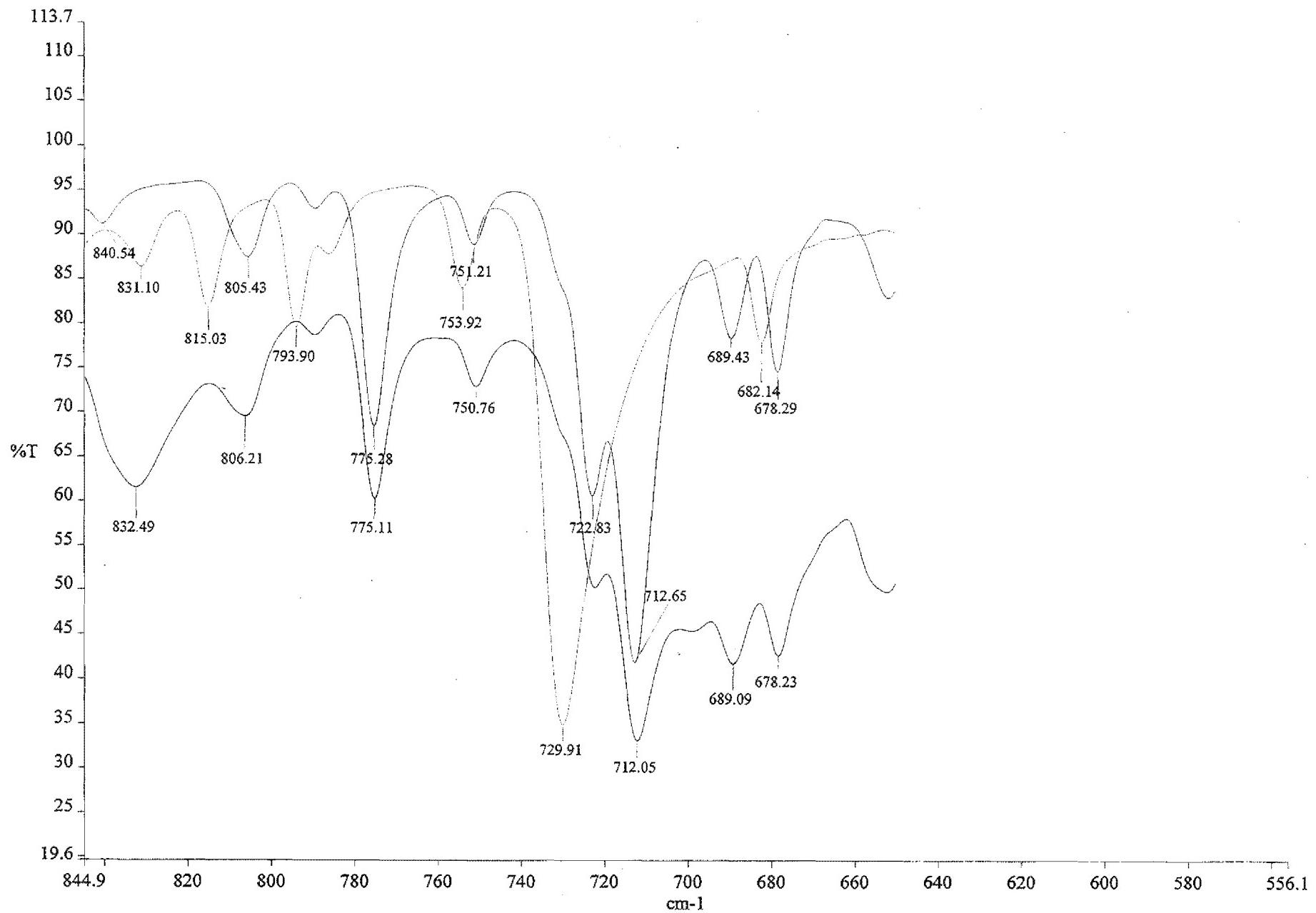
c:\pel\_data\spectra\██████.sp - Brockton #: ██████████ (no cleanup)

c:\pel\_data\spectra\standards\cocaine base██████.sp - QC FTIR



c:\pel\_data\spectra\██████████ Brockton # ██████████ (no cleanup)

c:\pel\_data\spectra\standards\cocaine base ██████████ QC FTIR



c:\pel\_data\spectra\██████████ Brockton # ██████████ (no cleanup)  
c:\pel\_data\spectra\standards\cocaine ba ██████████ - QC FTIR  
c:\pel\_data\spectra\standards\cocaine hcl ██████████ - QC FTIR

Unknown: C:\pel\_data\spectra\███████████

Library: C:\pel\_data\libs\DL.idx

Euclidean Hit List:

0.770 DL1744 COCAINE (SYNTHESIZED CRACK)

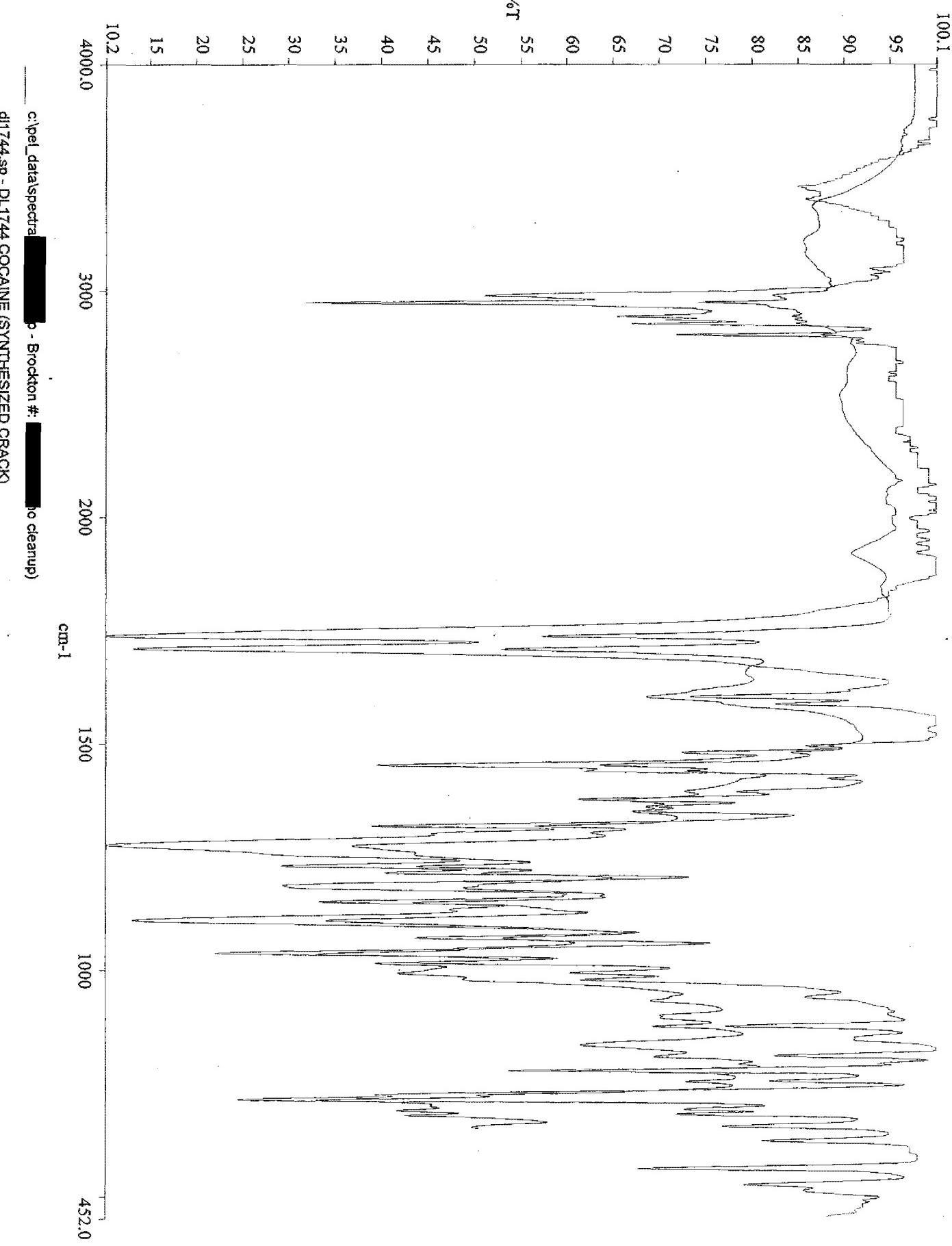
0.744 DL0178 COCAINE IN KBr

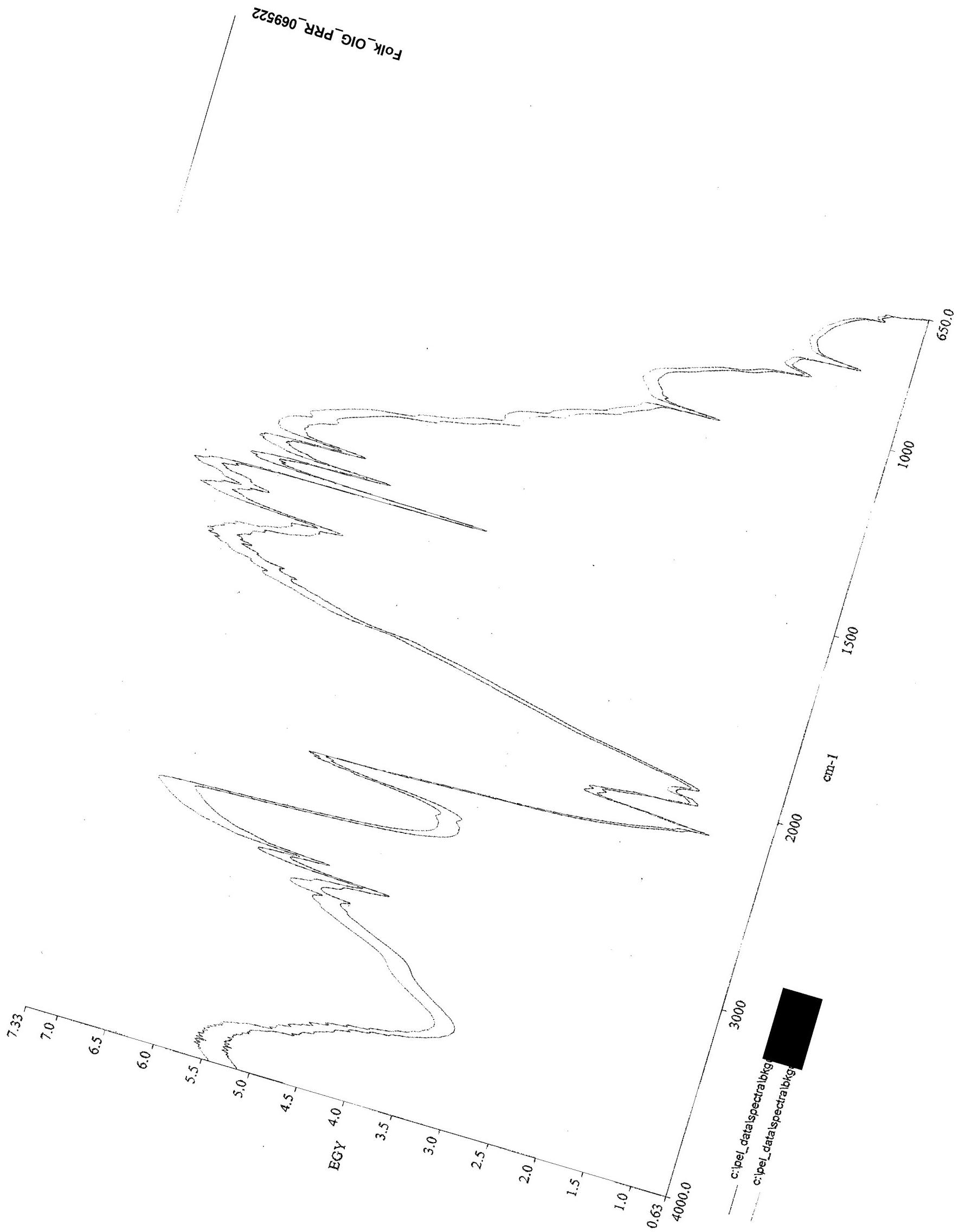
0.582 DL0209 COCAINE HCl IN KBr (MERCK)-SAMPLE CONTAINS WATER-METHANOL MIXTURE

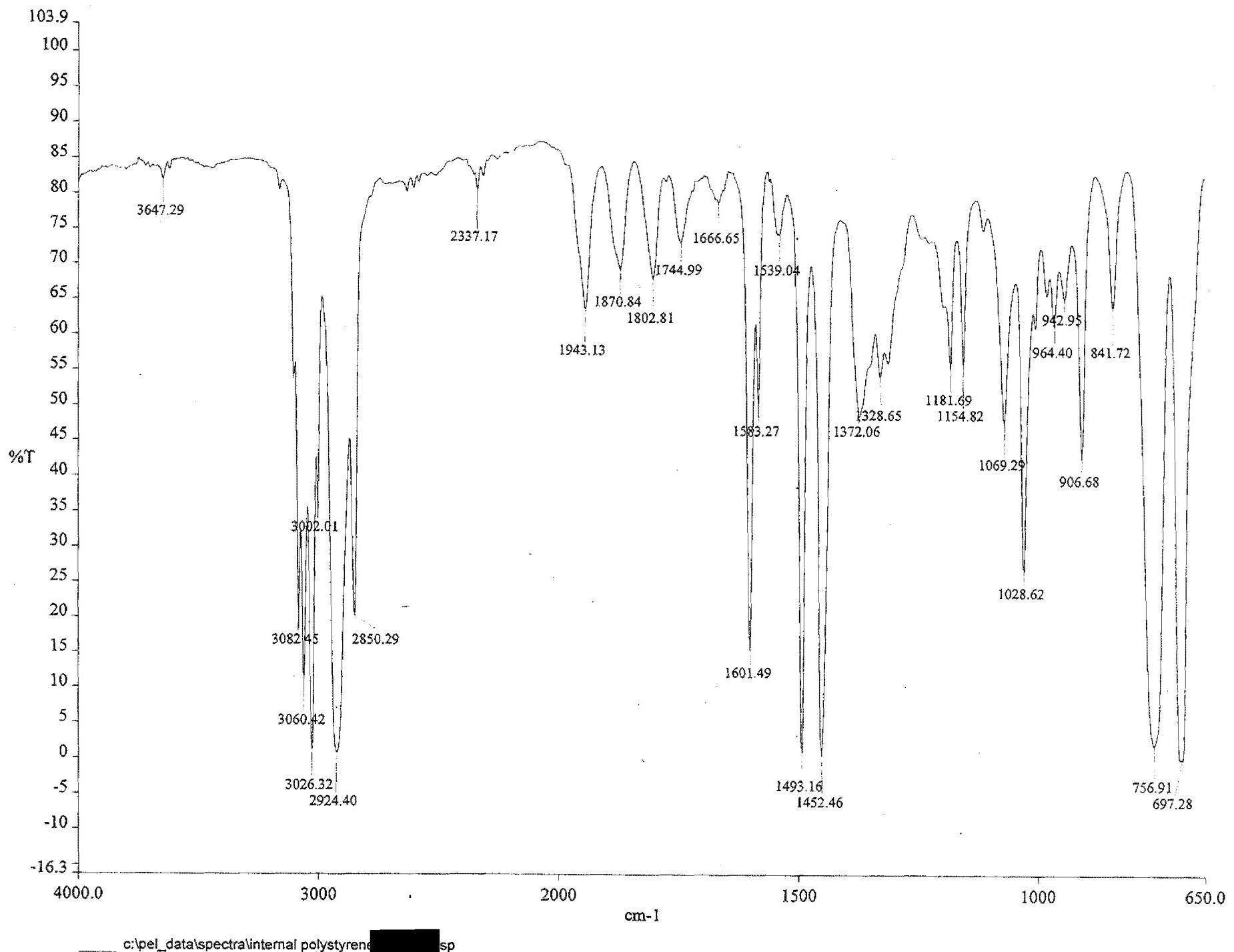
Selected Range: 4000.00 - 652.00 cm<sup>-1</sup>

No Blank Regions:

The Georgia State Crime Laboratory







# DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

Brockton

ANALYST

WME

PHYSICAL DESCRIPTION:

EV. MEK

Substance in 2PB

Mang -

Gross Wt: 7.1053g

Froed -

Gross Wt of

Mack -

1 analyzed: 3.5498g

Cobalt - + Mang Not Wt of

Goldt

1 analyzed: 3.2831g

TCTA - + Goldt

IR:® Cocaine Base

PRELIMINARY TEST RESULTS

RESULTS

Cocaine

DATE

9/5/08

GC/MS CONFIRMATORY TEST

RESULTS

Cocaine

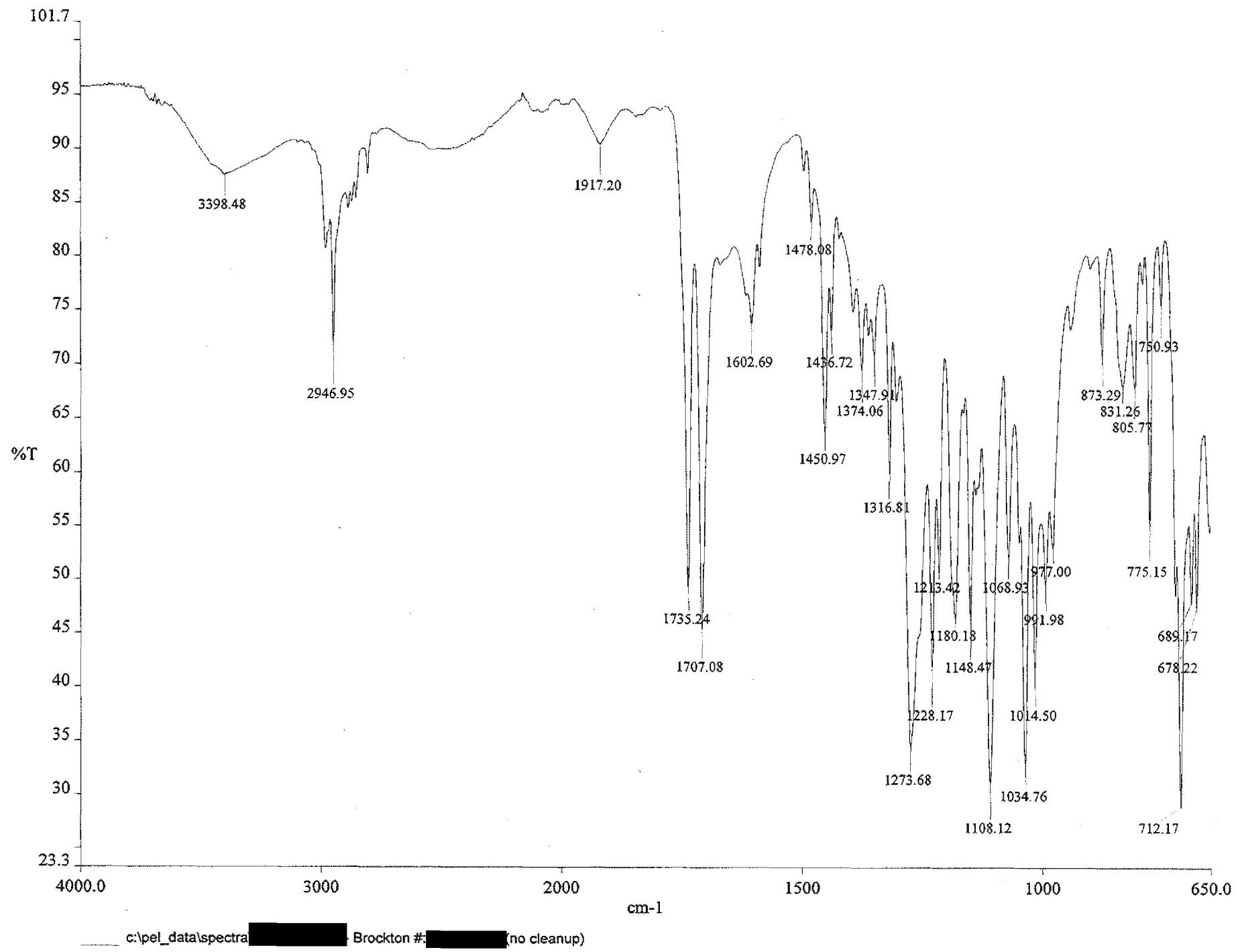
MS

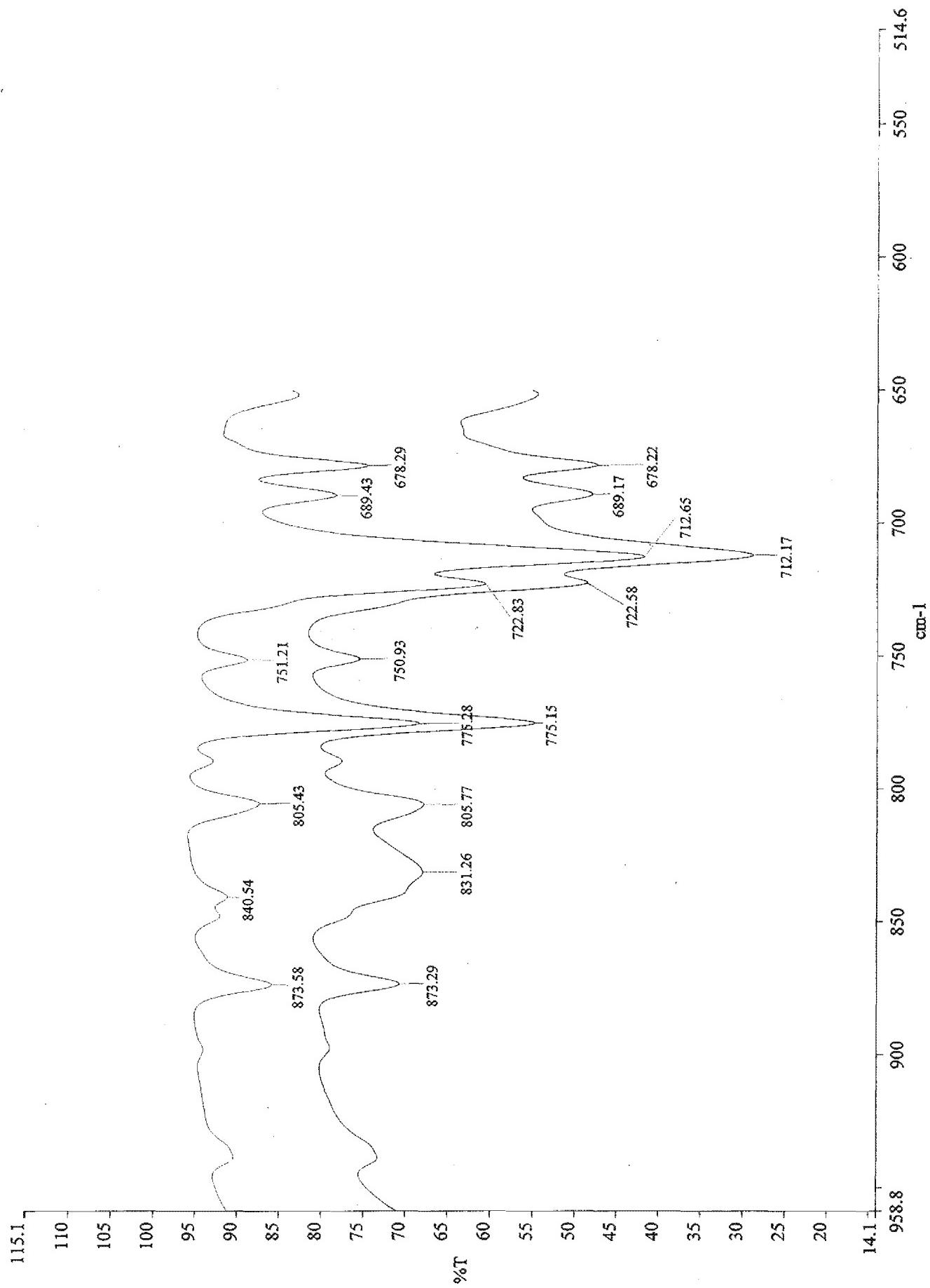
OPERATOR

ASD

DATE

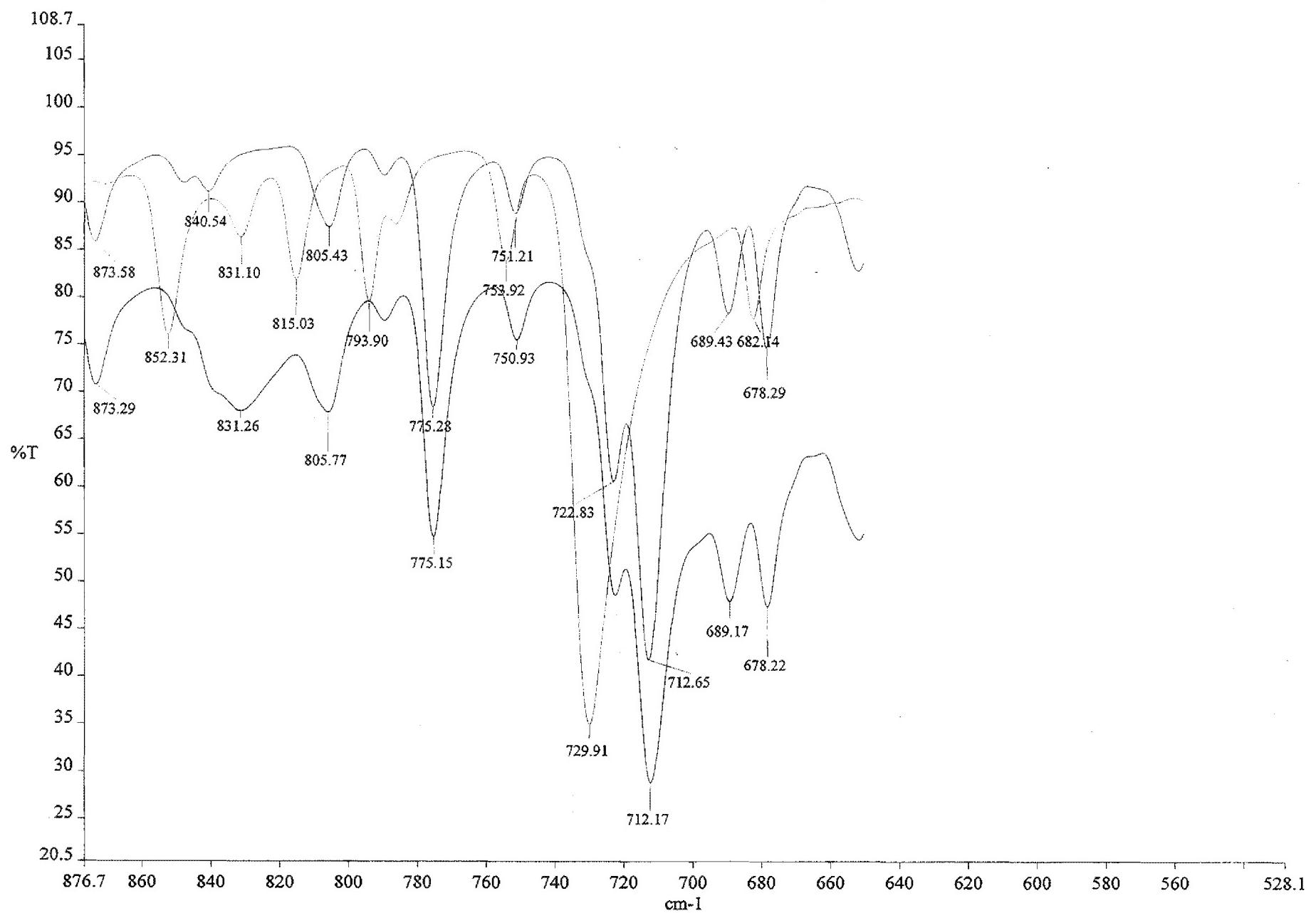
9/10/08





c:\pel\_data\spectra\██████████.sp - Brockton #: ██████████ (no cleanup)

c:\pel\_data\spectralstandards\cocaine base\████████████.QC FTIR



c:\pel\_data\spectra\██████ - Brockton #: █████ (no cleanup)

c:\pel\_data\spectra\standards\cocaine base █████ - QC FTIR

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Unknown: C:\pel\_data\spectr[REDACTED].sp

Library: C:\pel\_data\libs\DL.idx

Euclidean Hit List:

0.839 DL1744 COCAINE (SYNTHESIZED CRACK)

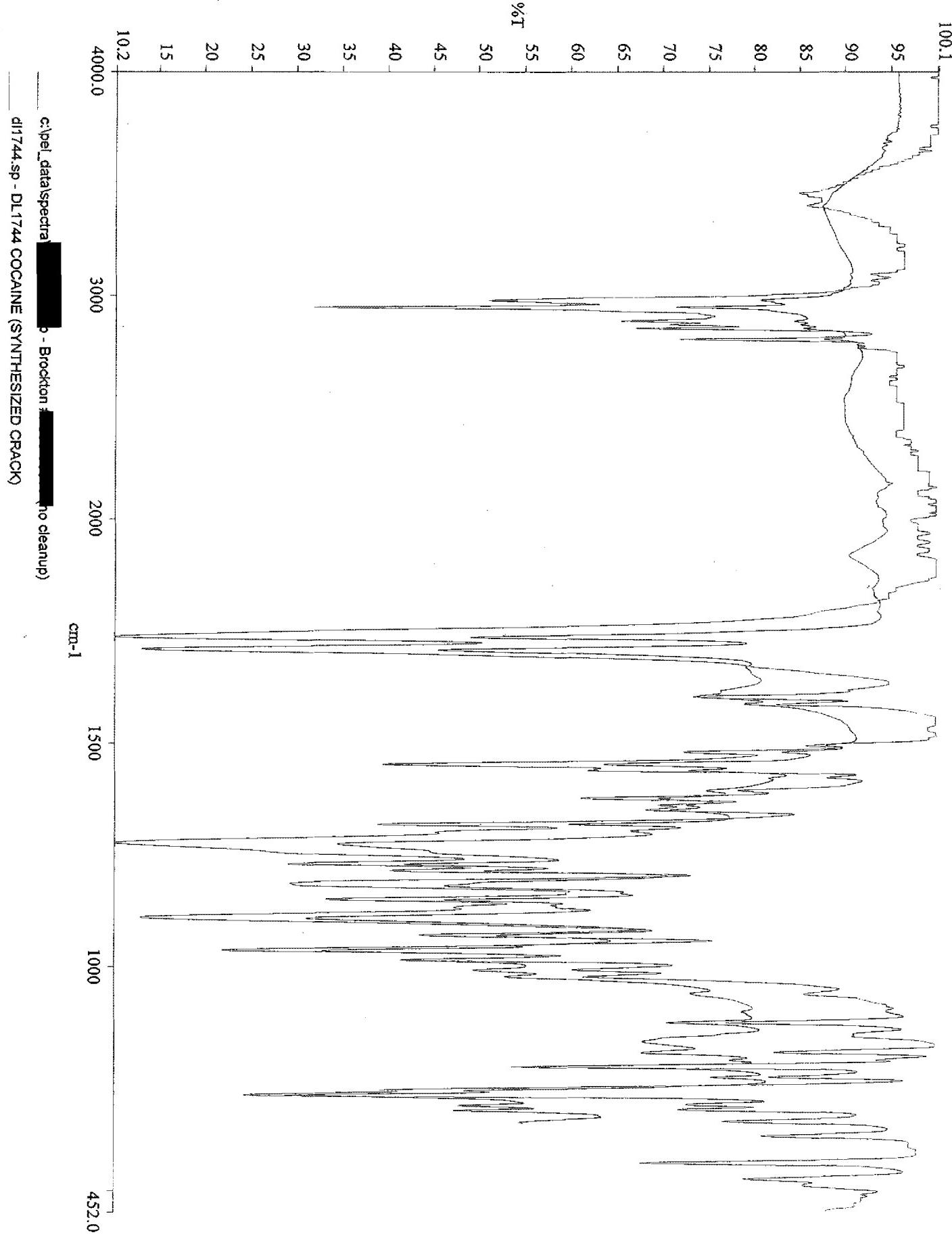
0.809 DL0178 COCAINE IN KBr

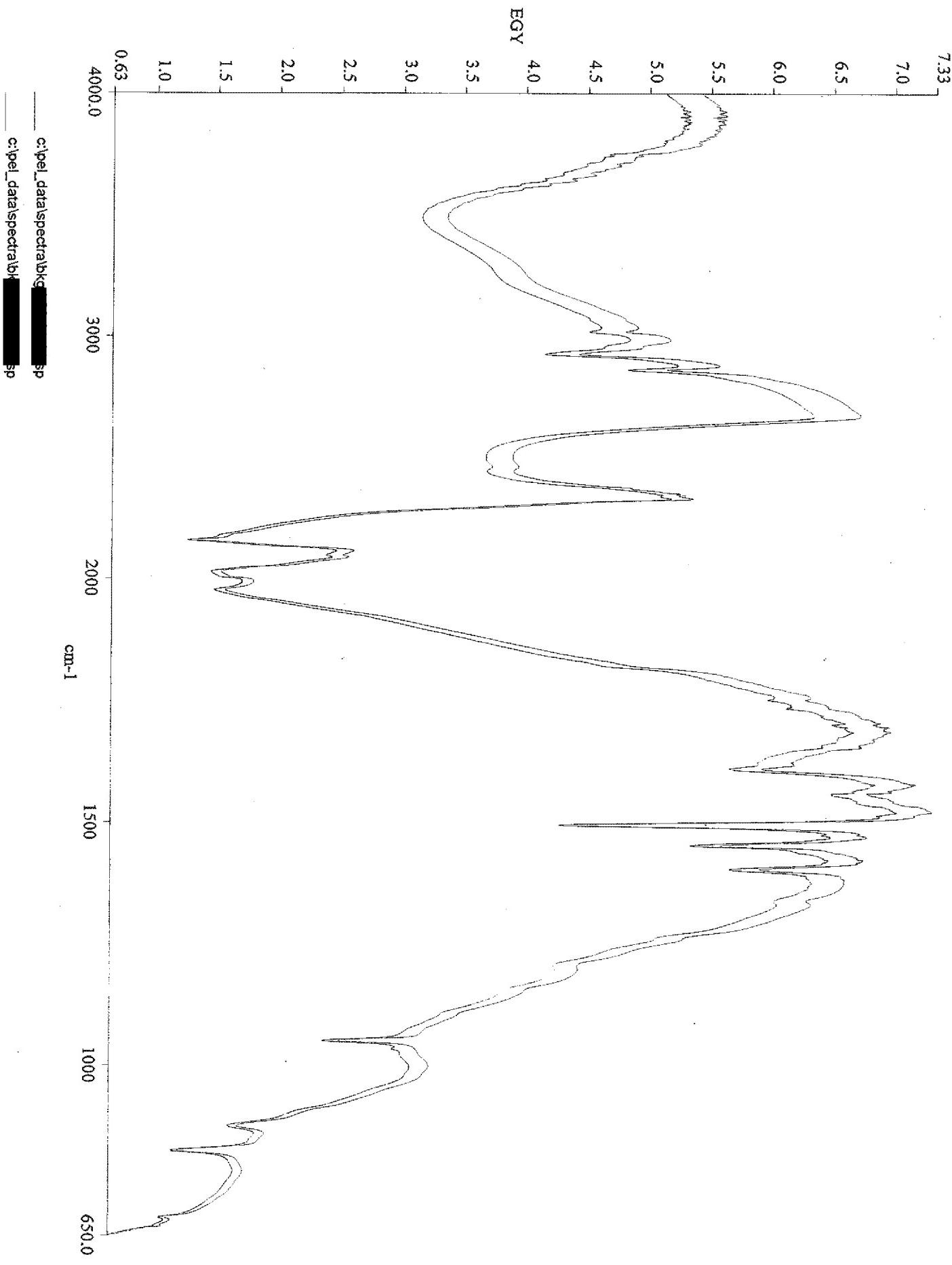
0.631 DL0209 COCAINE HCl IN KBr (MERCK)-SAMPLE CONTAINS WATER-METHANOL MIXTURE

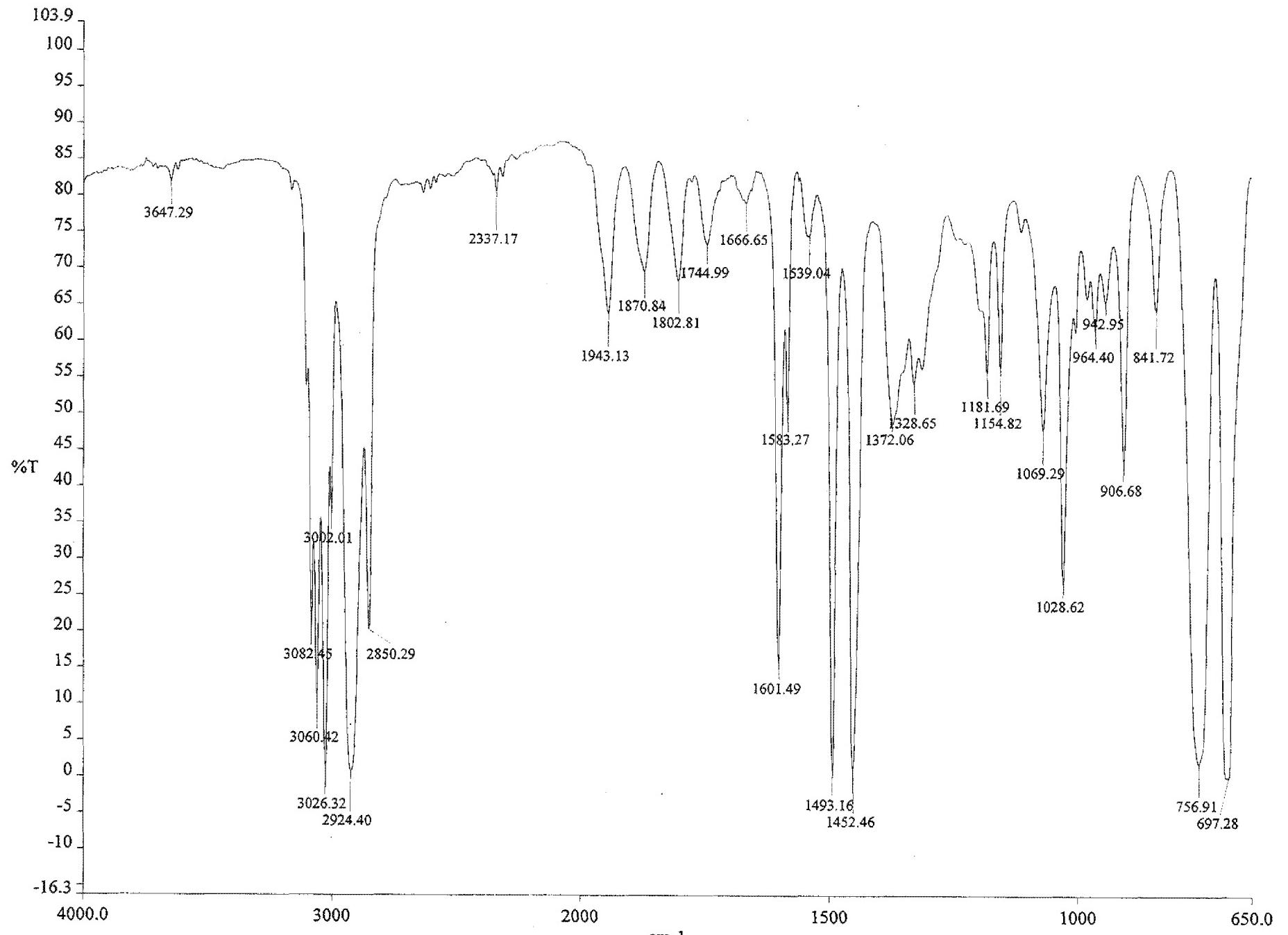
Selected Range: 4000.00 - 652.00 cm<sup>-1</sup>

No Blank Regions:

The Georgia State Crime Laboratory







c:\pel\_data\spectra\internal polystyrene[REDACTED].sp

**DRUG POWDER ANALYSIS FORM**Balance V OK  
mettler Toledo  
SNH 1120673632

SAMPLE [REDACTED]

AGENCY Brockton

ANALYST KAC

No. of samples tested: 2

Evidence Wt. OK

**PHYSICAL DESCRIPTION:**

2 similar pbs containing  
an off-white rock-like  
substance

Gross Wt (2): 6.6542g

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Total Net Wt: 6.3706g

**PRELIMINARY TESTS****Spot Tests**

2	Cobalt Thiocyanate	(H) +
2	Marquis	-
2	Froehde's	-
2	Mecke's	-

10/2/08  
IR + Cocaine base  
compared to cocaine  
base std.

**Microcrystalline Tests**

2	Gold Chloride	+
2	TLLA	(H) +

**OTHER TESTS**

GC = + for cocaine  
Compared to cocaine std.

**PRELIMINARY TEST RESULTS**

RESULTS Cocaine  
DATE 10/11/08

**GC/MS CONFIRMATORY TEST**

RESULTS Cocaine Base  
MS OPERATOR DCS  
DATE 10/6/08

Sample

# samples tested: 2

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	3.4175g	0.1751g	3.2424g	26			
2	3.2369g	0.1687g	3.1282g	27			
3				28			
4	6.6344g	0.2838g	6.3706g	29			
5				30			
6				31			
7				32			
8				33			
9				34			
10				35			
11				36			
12				37			
13				38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			

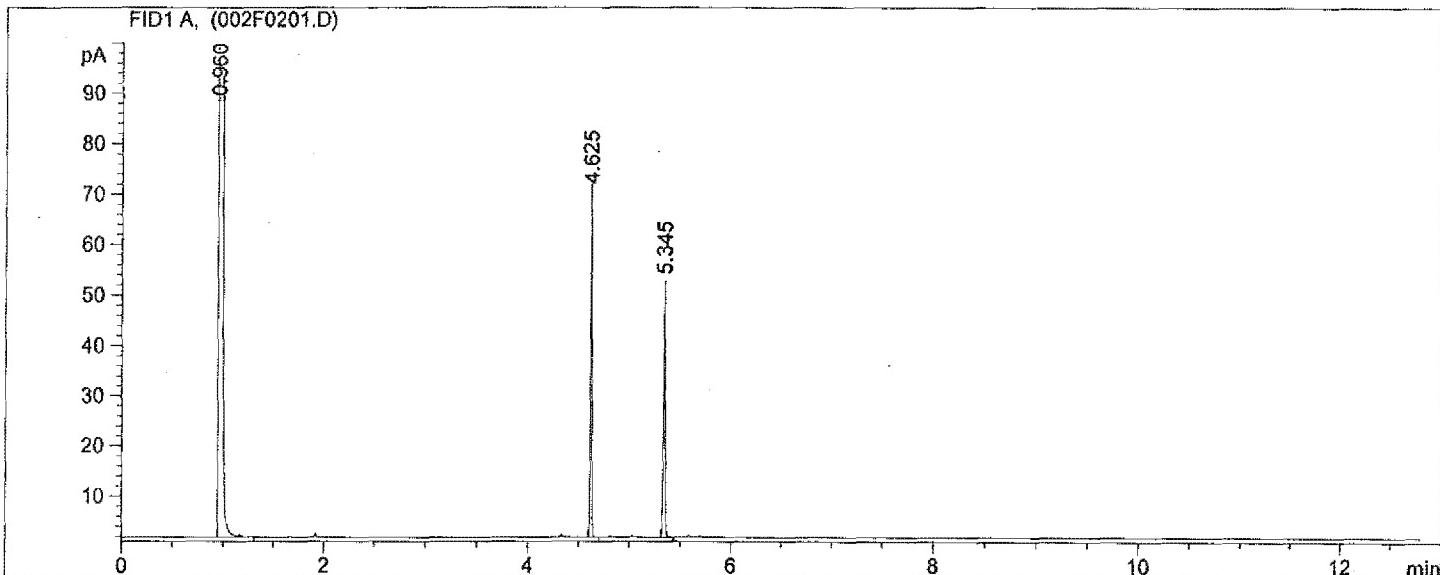
Calculations:

netwt VOK 10/16/89  
JL

=====
 Injection Date : 10/1/2008 2:08:39 PM Seq. Line : 2  
 Sample Name : COKE/COD STD Vial : 2  
 Acq. Operator : ASD Inj : 1  
 Inj Volume : 1  $\mu$ l

Sequence File : C:\HPCHEM\1\SEQUENCE\DCS.S  
 Method : C:\HPCHEM\1\METHODS\ROUTINE.M  
 Last changed : 12/6/2007 5:35:10 PM by ASD

## FOR UNKNOWN SAMPLES



## Area Percent Report

Sorted By : Signal  
 Multiplier : 1.0000  
 Dilution : 1.0000

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.960	PB S	0.0164	3.03514e4	2.84498e4	99.60111
2	4.625	BB	0.0148	63.83168	68.99838	0.20947
3	5.345	PB	0.0177	57.72102	51.02316	0.18942

Totals : 3.04729e4 2.85699e4

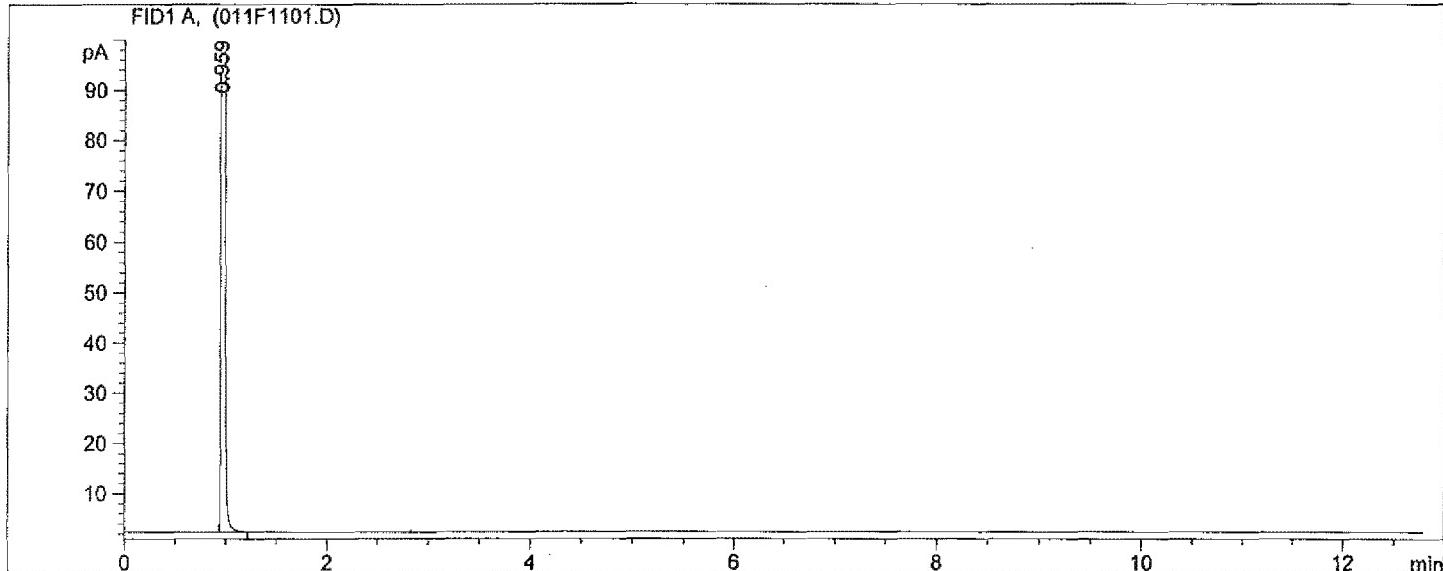
Results obtained with enhanced integrator!

===== \*\*\* End of Report \*\*\*

=====  
Injection Date : 10/1/2008 4:51:03 PM Seq. Line : 11  
Sample Name : BLANK Vial : 11  
Acq. Operator : ASD Inj : 1  
Inj Volume : 1  $\mu$ l

Sequence File : C:\HPCHEM\1\SEQUENCE\DCS.S  
Method : C:\HPCHEM\1\METHODS\ROUTINE.M  
Last changed : 12/6/2007 5:35:10 PM by ASD

## FOR UNKNOWN SAMPLES

=====  
Area Percent Report  
=====

Sorted By : Signal  
Multiplier : 1.0000  
Dilution : 1.0000

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.959	PB S	0.0164	3.24717e4	2.94450e4	1.000e2

Totals : 3.24717e4 2.94450e4

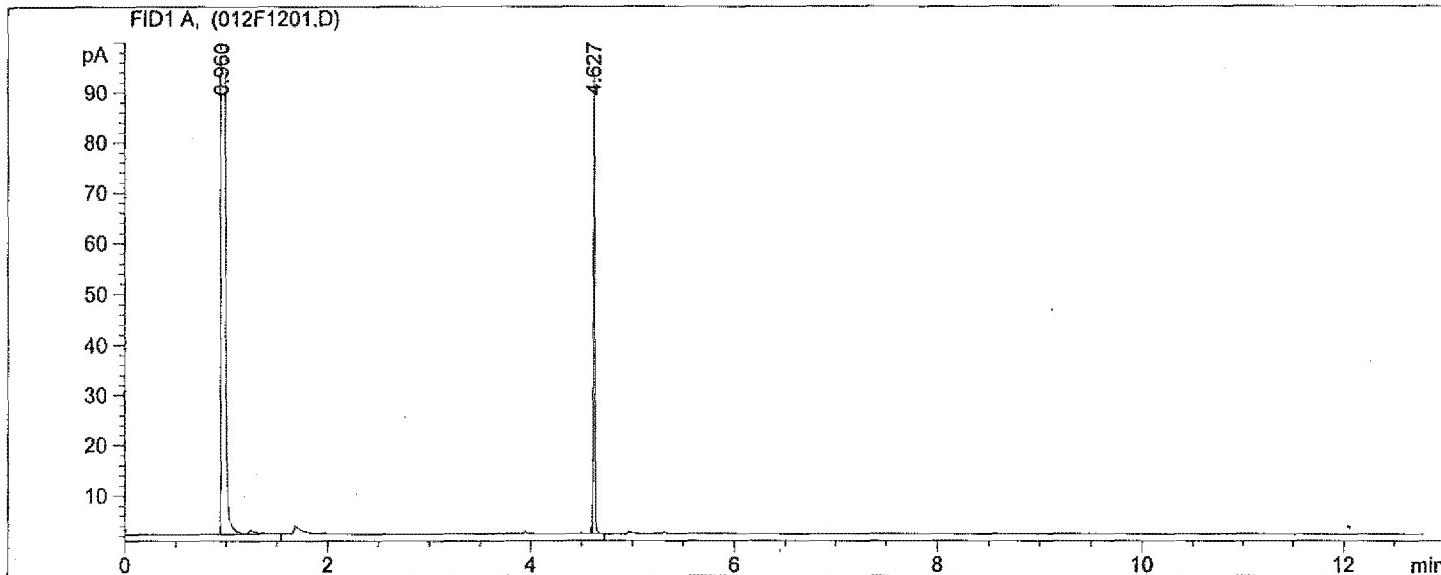
Results obtained with enhanced integrator!

=====  
\*\*\* End of Report \*\*\*

=====
 Injection Date : 10/1/2008 5:09:03 PM Seq. Line : 12  
 Sample Name : [REDACTED] Vial : 12  
 Acq. Operator : ASD Inj : 1  
 Inj Volume : 1  $\mu$ l

Sequence File : C:\HPCHEM\1\SEQUENCE\DCS.S  
 Method : C:\HPCHEM\1\METHODS\ROUTINE.M  
 Last changed : 12/6/2007 5:35:10 PM by ASD

## FOR UNKNOWN SAMPLES



## Area Percent Report

Sorted By : Signal  
 Multiplier : 1.0000  
 Dilution : 1.0000

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.960	PB S	0.0159	3.08091e4	2.89144e4	99.71791
2	4.627	BB	0.0153	87.15491	90.37690	0.28209

Totals : 3.08963e4 2.90047e4

Results obtained with enhanced integrator!

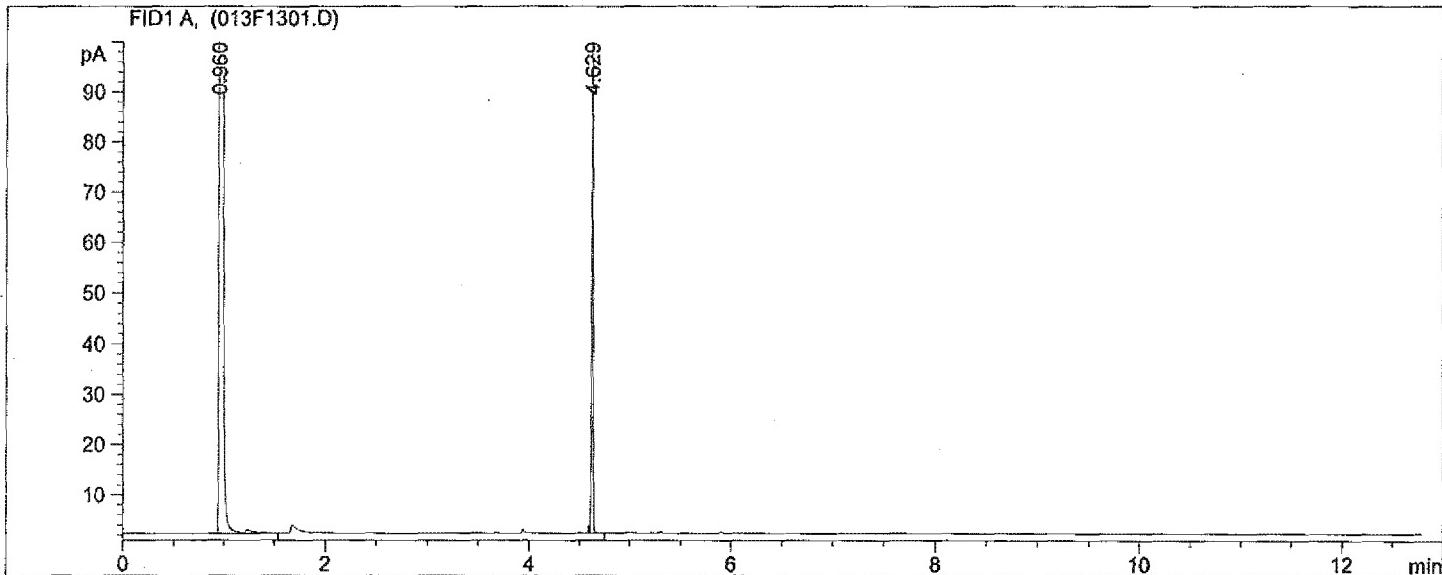
===== \*\*\* End of Report \*\*\*

=====

Injection Date : 10/1/2008 5:27:12 PM Seq. Line : 13  
Sample Name : [REDACTED] Vial : 13  
Acq. Operator : ASD Inj : 1  
Inj Volume : 1  $\mu$ l

Sequence File : C:\HPCHEM\1\SEQUENCE\DCS.S  
Method : C:\HPCHEM\1\METHODS\ROUTINE.M  
Last changed : 12/6/2007 5:35:10 PM by ASD

## FOR UNKNOWN SAMPLES



## Area Percent Report

Sorted By : Signal  
Multiplier : 1.0000  
Dilution : 1.0000

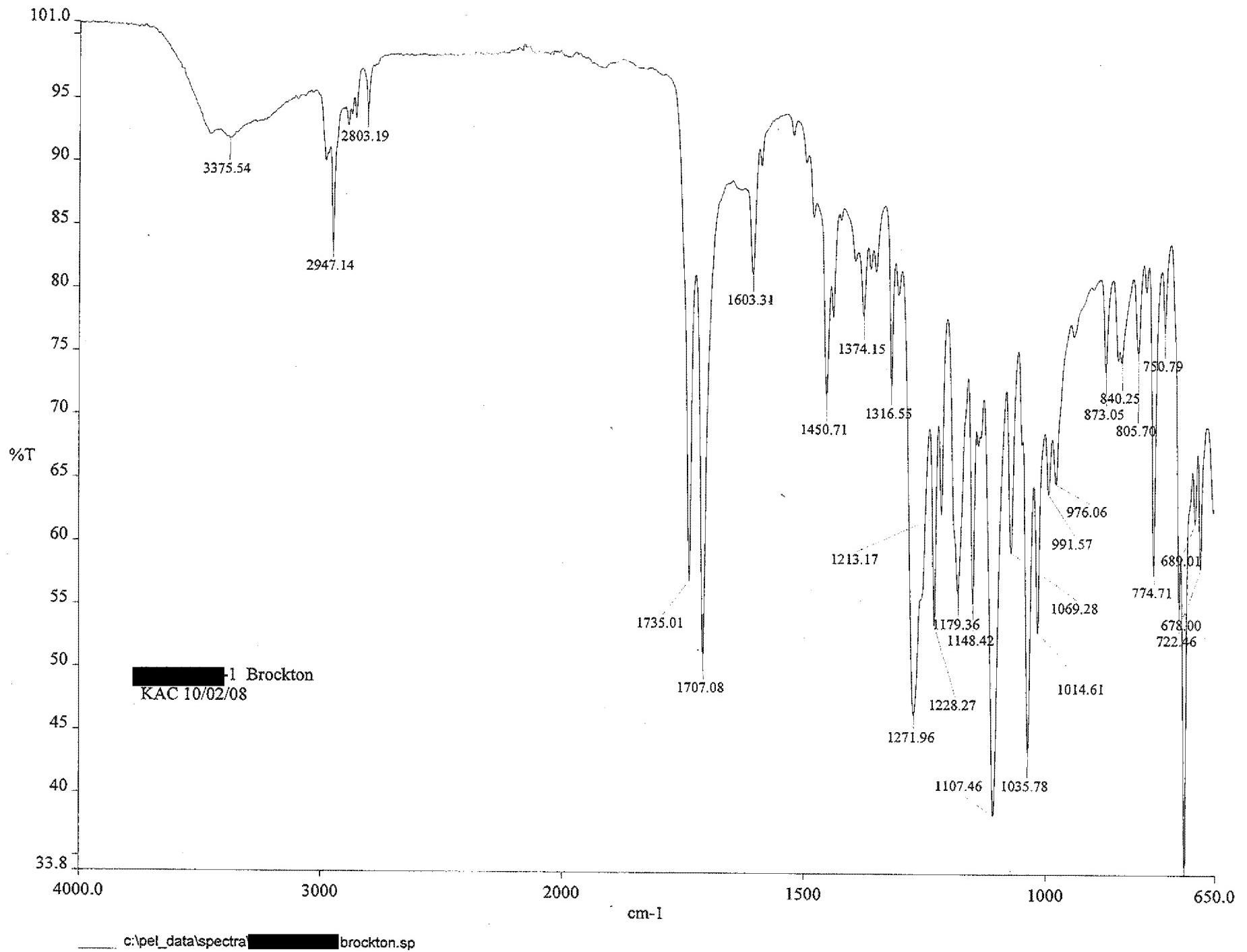
Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.960	PB S	0.0161	3.11137e4	2.88470e4	99.66109
2	4.629	BB	0.0151	105.80450	110.74525	0.33891

Totals : 3.12195e4 2.89577e4

Results obtained with enhanced integrator!

=====  
\*\*\* End of Report \*\*\*



Unknown: C:\pel\_data\spectra\██████████ Brockton.sp  
Library: C:\pel\_data\libs\DL.idx

## Euclidean Hit List:

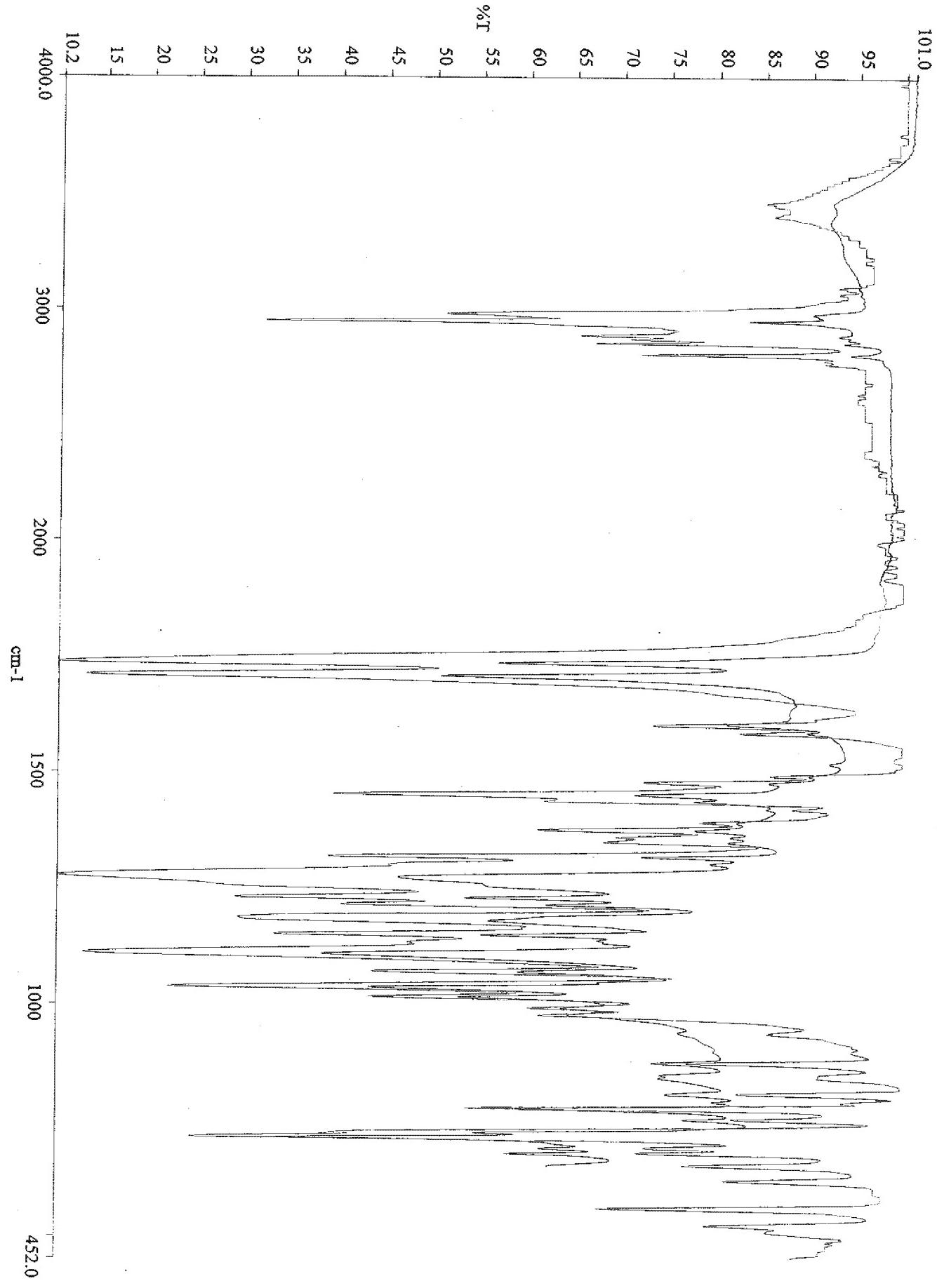
0.822 DL1744 COCAINE (SYNTHESIZED CRACK)  
0.779 DL0178 COCAINE IN KBr  
0.626 DL0209 COCAINE HCl IN KBr (MERCK)-SAMPLE CONTAINS WATER-METHANOL MIXTURE

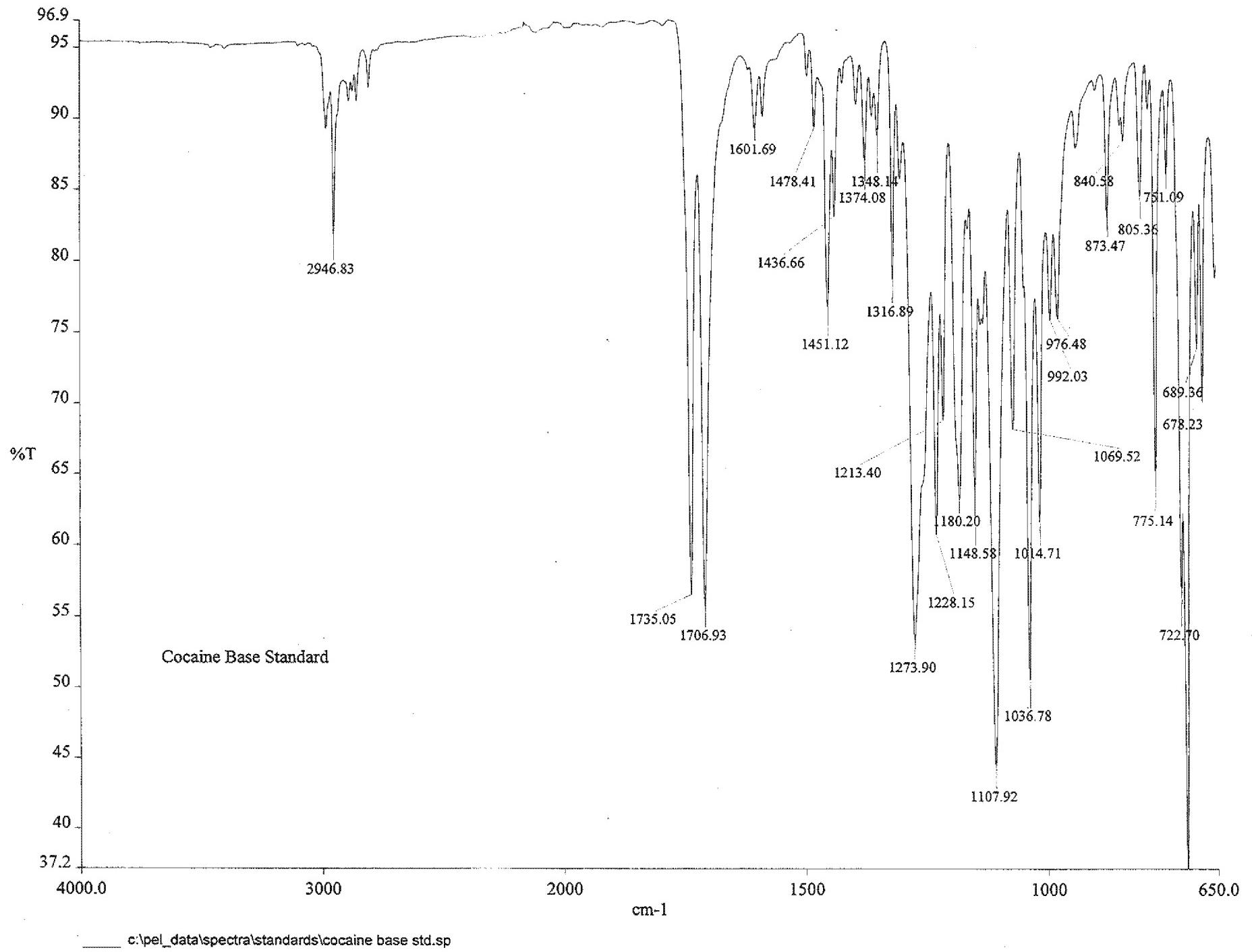
Selected Range: 4000.00 - 652.00 cm<sup>-1</sup>

No Blank Regions:

The Georgia State Crime Laboratory

c:\pel\_data\spectra  
d1744.sp - DL1744 COCAINE (SYNTHESIZED CRACK)





Unknown: C:\pel\_data\spectra\STANDARDS\Cocaine base Std.sp  
Library: C:\pel\_data\libs\DL.idx

Euclidean Hit List:

0.860 DL1744 COCAINE (SYNTHESIZED CRACK)

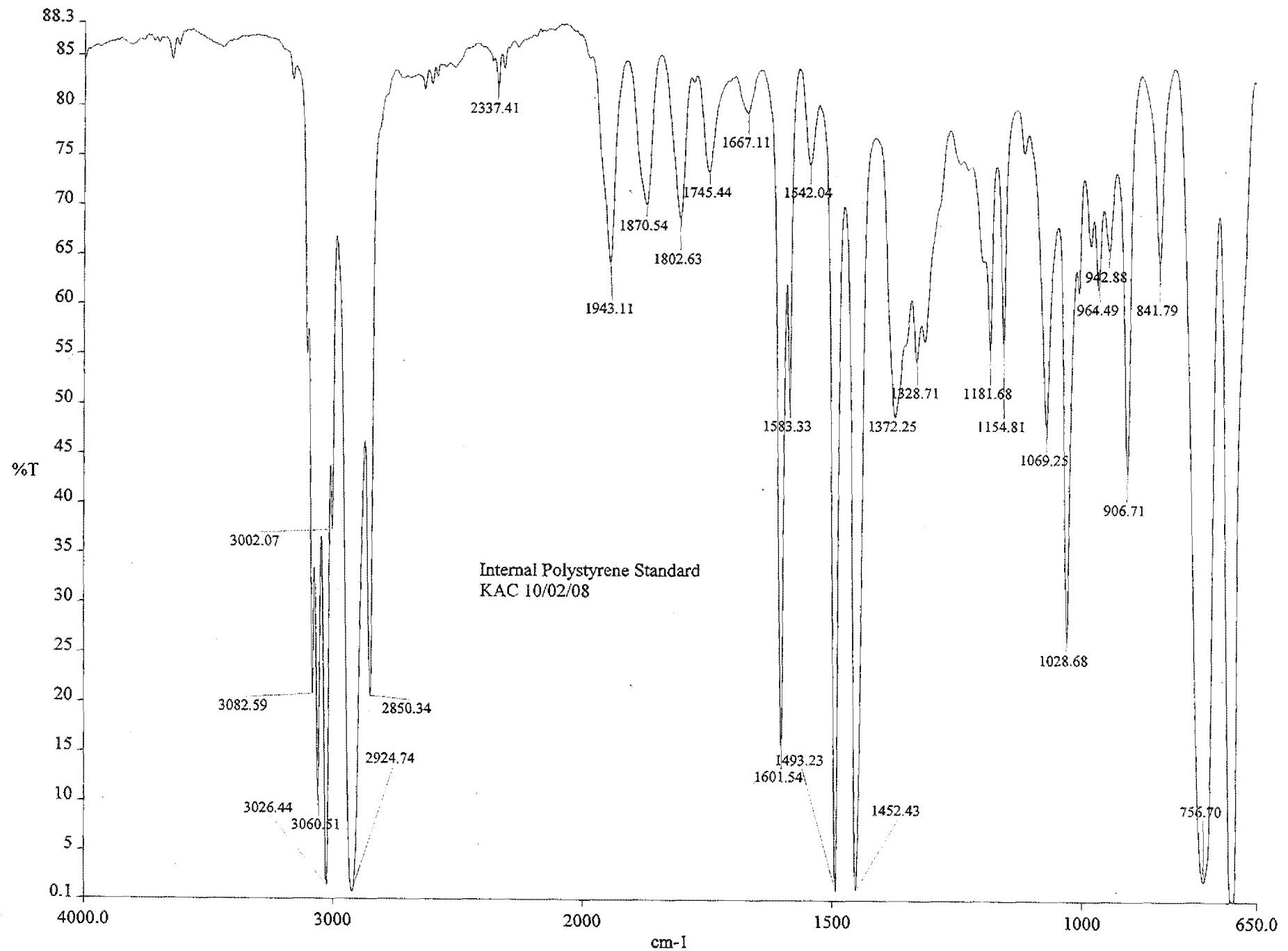
0.825 DL0178 COCAINE IN KBr

0.651 DL0209 COCAINE HCl IN KBr (MERCK)-SAMPLE CONTAINS WATER-METHANOL MIXTURE

Selected Range: 4000.00 - 652.00 cm<sup>-1</sup>

No Blank Regions:

The Georgia State Crime Laboratory



Unknown: C:\pel\_data\spectra\Internal Polystyrene Standard.sp  
Library: C:\pel\_data\libs\DL.idx

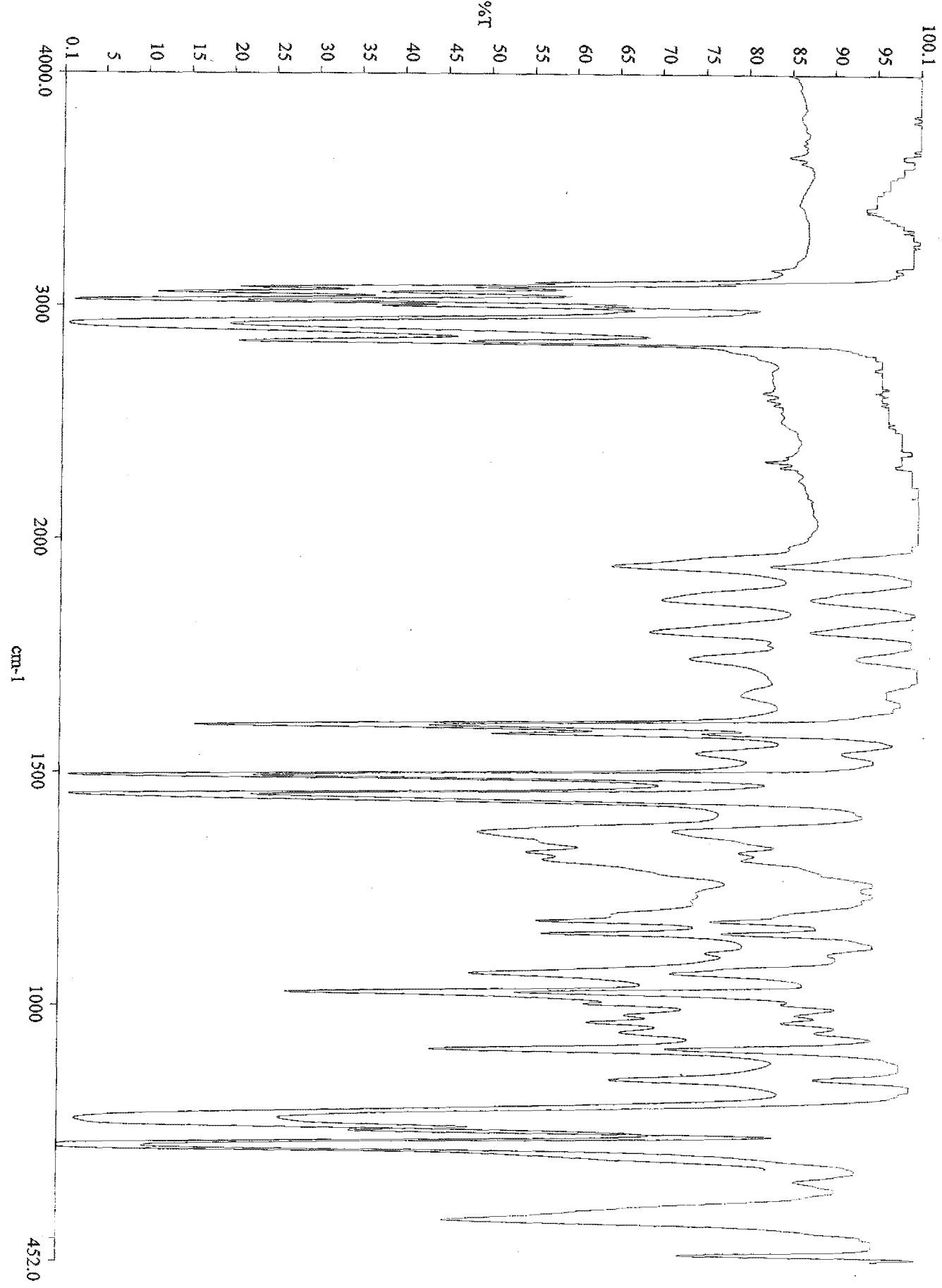
Euclidean Hit List:

0.925 DL0526 POLYSTYRENE FILM ON KBr PLATES  
0.649 DL1310 PRENYLAMINE IN KBr-BASIC EXTRACT OF LACTATE SALT  
0.581 DL0195 (1-PHENYLCYCLOHEXYL)ETHYLAMINE IN KBr

Selected Range: 4000.00 - 652.00 cm<sup>-1</sup>

No Blank Regions:

The Georgia State Crime Laboratory



c:\pel\_data\spectra\internal polystyrene standard.sp

d0526.sp - DL0526 POLYSTYRENE FILM ON KBr PLATES